



Extreme SLX-OS YANG Reference Guide, 20.7.2

Supporting ExtremeRouting and ExtremeSwitching
SLX 9740, SLX 9640, SLX 9540, SLX 9250, SLX 9150,
Extreme 8820, Extreme 8720, and Extreme 8520

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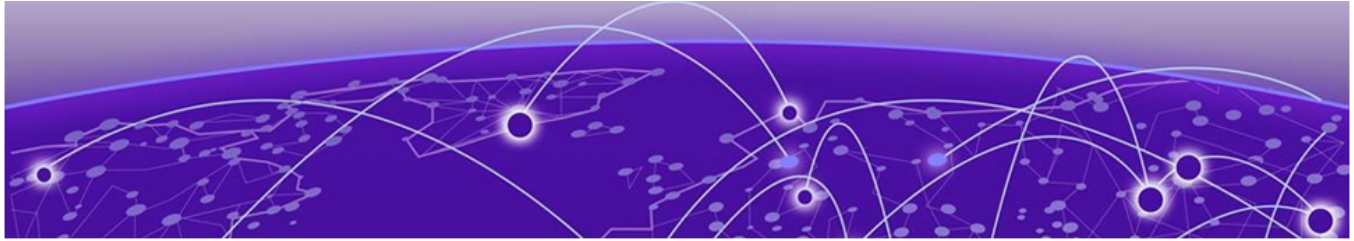
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Preface

Read the following topics to learn about:

- The meanings of text formats used in this document.
- Where you can find additional information and help.
- How to reach us with questions and comments.

Text Conventions

Unless otherwise noted, information in this document applies to all supported environments for the products in question. Exceptions, like command keywords associated with a specific software version, are identified in the text.

When a feature, function, or operation pertains to a specific hardware product, the product name is used. When features, functions, and operations are the same across an entire product family, such as Extreme Networks switches or routers, the product is referred to as *the switch* or *the router*.

Table 1: Notes and warnings






Icon	Notice type	Alerts you to..
	Tip	Helpful tips and notices for using the product
	Note	Useful information or instructions
	Important	Important features or instructions
	Caution	Risk of personal injury, system damage, or loss of data
	Warning	Risk of severe personal injury

Table 2: Text

Convention	Description
screen displays	This typeface indicates command syntax, or represents information as it is displayed on the screen.
The words <i>enter</i> and <i>type</i>	When you see the word <i>enter</i> in this guide, you must type something, and then press the Return or Enter key. Do not press the Return or Enter key when an instruction simply says <i>type</i> .
Key names	Key names are written in boldface, for example Ctrl or Esc . If you must press two or more keys simultaneously, the key names are linked with a plus sign (+). Example: Press Ctrl+Alt+Del
<i>Words in italicized type</i>	Italics emphasize a point or denote new terms at the place where they are defined in the text. Italics are also used when referring to publication titles.
NEW!	New information. In a PDF, this is searchable text.

Table 3: Command syntax

Convention	Description
bold text	Bold text indicates command names, keywords, and command options.
<i>italic text</i>	Italic text indicates variable content.
[]	Syntax components displayed within square brackets are optional. Default responses to system prompts are enclosed in square brackets.
{ x y z }	A choice of required parameters is enclosed in curly brackets separated by vertical bars. You must select one of the options.
x y	A vertical bar separates mutually exclusive elements.
< >	Nonprinting characters, such as passwords, are enclosed in angle brackets.
...	Repeat the previous element, for example, <i>member [member...]</i> .
\	In command examples, the backslash indicates a “soft” line break. When a backslash separates two lines of a command input, enter the entire command at the prompt without the backslash.

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Find Extreme Networks product information at the following locations:

[Current Product Documentation](#)

[Release Notes](#)

[Hardware and Software Compatibility](#) for Extreme Networks products

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- Your Extreme Networks service contract number, or serial numbers for all involved Extreme Networks products
- A description of the failure
- A description of any actions already taken to resolve the problem
- A description of your network environment (such as layout, cable type, other relevant environmental information)
- Network load at the time of trouble (if known)
- The device history (for example, if you have returned the device before, or if this is a recurring problem)
- Any related RMA (Return Material Authorization) numbers

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4. Select **Subscribe**.
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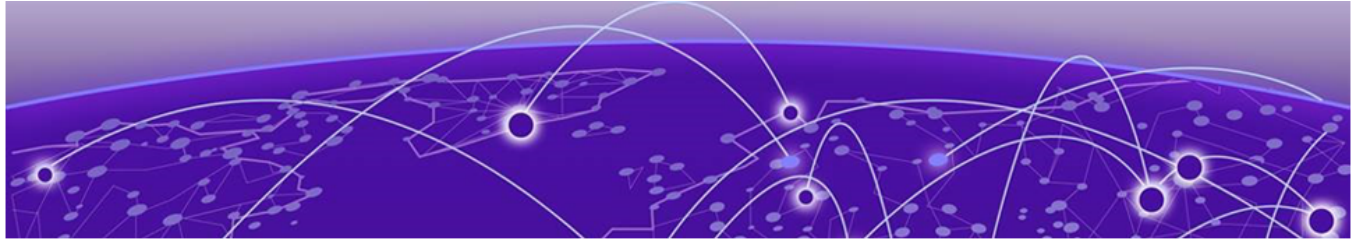
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- Improvements that would help you find relevant information.
- Broken links or usability issues.

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Provide as much detail as possible including the publication title, topic heading, and page number (if applicable), along with your comments and suggestions for improvement.



About This Document

[What's New in this Document](#) on page 14

[Supported Hardware](#) on page 14

What's New in this Document

This document is released with the SLX-OS 20.7.2 software release.

The following YANGs are modified for this release.

- [brocade-common-def](#)
- [brocade-qos-mpls](#)

For additional information, refer to the *Extreme SLX-OS Release Notes* for this version.

Supported Hardware

SLX-OS 20.7.2 supports the following hardware platforms.

- Extreme 8820
- Extreme 8720
- Extreme 8520
- ExtremeSwitching SLX 9540
- ExtremeSwitching SLX 9250
- ExtremeSwitching SLX 9150
- ExtremeRouting SLX 9740
- ExtremeRouting SLX 9640



Note

All configurations and software features that are applicable to SLX 9150 and SLX 9250 devices are also applicable for the Extreme 8520 and Extreme 8720 devices respectively.

All configurations and software features that are applicable to SLX 9740 devices are also applicable for the Extreme 8820 devices.

The "Measured Boot with Remote Attestation" feature is only applicable to the Extreme 8520, Extreme 8720, and Extreme 8820 devices. It is not supported on the SLX 9150 and SLX 9250 devices.

**Note**

Although many software and hardware configurations are tested and supported for this release, documenting all possible configurations and scenarios is beyond this document's scope.

For information about other releases, see the documentation for those releases.



Using YANG

[YANG overview](#) on page 16

[Using the SLX-OS YANG Reference Guide](#) on page 16

YANG overview

Refer to RFC 6020, YANG - A Data Modeling Language for the Network Configuration Protocol (NETCONF), for full details of how to use YANG, and for a reference of all the features of the YANG language.

Using the SLX-OS YANG Reference Guide

Each module provides a data model for a specific part of the system. It models the data using one or more of the following entities:

- Top-level nodes and their subtrees
- Subtrees that augment nodes in other YANG modules
- Custom RPCs
- Custom actions that make use of the proprietary action mechanism

The client will receive notification as documented in Notifications section for certain events. (You must register in order to receive notifications from the server.)

For each module, this manual provides a high-level description of what the module does. It also provides the structure of each top-level node, external augmentation, custom RPC, and action.

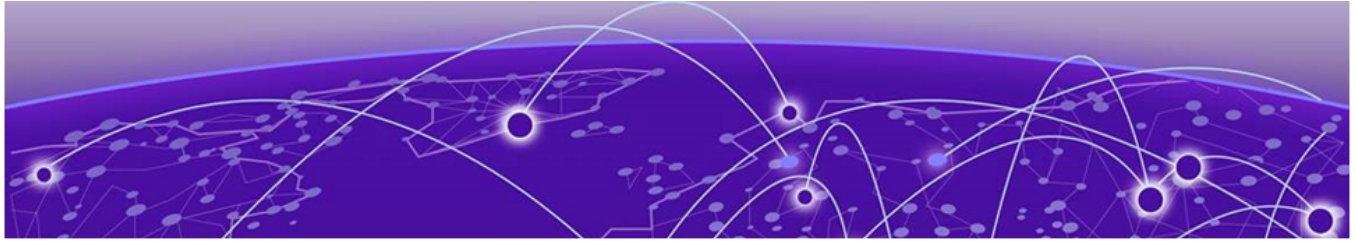
The **pyang** command with the **-f tree** option is used to illustrate the YANG code. This utility resolves the uses and augments statements to provide an easy-to-read view of the structure of the YANG code. The following example shows part of the module.

```
module:
  +--rw interface
  |   +--rw fc-port [name]
  |       +--rw name                interface-type
  |       +--rw fc-speed-cfg?      fc-speed-cfg-type
  |       +--rw fill-word?         fc-fillword-cfg-type
  |       +--rw vc-link-init?      fc-vc-link-init-cfg-type
  |       +--rw isl-r_rdy-mode?    empty
  |       +--rw trunk-enable?     empty
  |       +--rw shutdown?         empty
```

In addition to showing the structure, the output of the `pyang -f tree` command provides information about each node, as shown in the table below. Field definitions and possible values are shown in the following table.

Table 4: Field descriptions

Field	Value
status	Status of the node can be one of the following values: + Current x Deprecated o Obsolete
status	Type of information can be one of the following values: rw Read-write (The node contains configuration data) -ro Read-only (The node contains operational data) -x RPC statement -n Notification (not supported)
flags	The name of the node can be further modified by one of the following values: (name) Choice node :(name) Case node prefix:name Augmented from external module
name	The following optional values can be used: ? Optional leaf or presence container * Leaf list [keys] Keys for a list
type	The type of the leaf or leaf-list. If the specified type is other than one of the basic types, then the type is defined in a typedef statement in the .yang file.



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brocade-aaa

Top-level container

```

module: brocade-aaa
  +--rw aaa-config
  |   +--rw aaa
  |   |   +--rw authentication
  |   |   |   +--rw login
  |   |   |   |   +--rw first?    enumeration
  |   |   |   |   +--rw second?  enumeration
  |   |   |   |   +--rw third?   enumeration
  |   |   +--rw accounting
  |   |   |   +--rw exec
  |   |   |   |   +--rw defaultacc
  |   |   |   |   |   +--rw start-stop
  |   |   |   |   |   +--rw server-type?  acc_srv_type
  |   |   |   +--rw commands
  |   |   |   |   +--rw defaultacc
  |   |   |   |   +--rw start-stop
  |   |   |   |   +--rw server-type?  acc_srv_type
  |   |   +--rw authorization
  |   |   |   +--rw command
  |   |   |   |   +--rw firstauthor?  enumeration
  |   |   |   |   +--rw secondauthor? enumeration
  +--rw username* [name]
  |   +--rw name                string
  |   +--rw user-password       user-passwd
  |   +--rw encryption-level?   enumeration
  |   +--rw role                 string
  |   +--rw desc?               string
  |   +--rw enable?             username-enable
  |   +--rw expire?             date
  |   +--rw access-time?        string
  |   +--rw end-time?           string
  |   +--rw acct-inactivity-expiry-period? uint32
  |   +--rw acct-inactivity-warning-period? uint32
  +--rw service
  |   +--rw password-encryption? empty
  +--rw user
  |   +---x unlock
  |   |   +---w input
  |   |   |   +---w username    string
  |   |   +---ro output
  |   |   |   +---ro Result?   string
  +--rw role
  |   +--rw name* [name]
  |   |   +--rw name    string
  |   |   +--rw desc?  string
  +--rw radius-server
  |   +--rw host* [hostname use-vrf]
  |   |   +--rw hostname    string
  |   |   +--rw use-vrf     common-def:use-vrf
  |   |   +--rw radius-server-options
  |   |   |   +--rw auth-port?    rad-auth-port
  |   |   |   +--rw protocol?    rad-auth-protocols
  |   |   |   +--rw key?         string
  |   |   |   +--rw encryption-level? enumeration
  |   |   |   +--rw retries?     uint32
  |   |   |   +--rw timeout?     uint32
  |   |   |   +--rw radsec?      empty
  |   |   +--rw source-interface

```

```

|         +--rw source-interface-name?  track-iftype
|         +--rw ethernet
|         |   +--rw source-interface-value?  interface:interface-type
|         +--rw loopback
|         |   +--rw source-interface-value?  loopback-iftype
|         +--rw ve
|         |   +--rw source-interface-value?  ve-iftype
|         +--rw management
|         |   +--rw source-interface-value?  mm-iftype
+--rw tacacs-server
| +--rw host* [hostname use-vrf]
| |   +--rw hostname          string
| |   +--rw use-vrf           common-def:use-vrf
| |   +--rw tacacs-server-options
| |     +--rw port?          tac-auth-port
| |     +--rw protocol?     tac-auth-protocols
| |     +--rw key?          string
| |     +--rw encryption-level?  enumeration
| |     +--rw retries?      uint8
| |     +--rw timeout?      uint8
| |     +--rw tacacs-source-ip
| |       +--rw tacacs-source-int-type?  srcip_type
| |       +--rw tacacs-source-int-value?  string-type
+--rw ldap-server
| +--rw host* [hostname use-vrf]
| |   +--rw hostname          string
| |   +--rw use-vrf           common-def:use-vrf
| |   +--rw ldap-server-options
| |     +--rw ldaps?          empty
| |     +--rw port?          ldap-auth-port
| |     +--rw retries?      uint8
| |     +--rw timeout?      uint8
| |     +--rw basedn?       string
| |     +--rw source-interface
| |       +--rw source-intf-type?  source-interface-type
| |       +--rw ethernet
| |       |   +--rw source-intf-name?  ethernet-iftype
| |       +--rw loopback
| |       |   +--rw source-intf-name?  loopback-iftype
| |       +--rw ve
| |       |   +--rw source-intf-name?  ve-iftype
| |       +--rw management
| |       |   +--rw source-intf-name?  mm-iftype
| +--rw maprole
| |   +--rw group* [ad-group]
| |     +--rw ad-group        string
| |     +--rw switch-role     string
+--rw password-attributes
| +--rw min-length?          uint32
| +--rw max-logins?          uint32
| +--rw max-retry?          uint32
| +--rw max-lockout-duration?  uint32
| +--rw history?            uint32
| +--rw repeat?             uint32
| +--rw sequence?           uint32
| +--rw force-default-password-change?  empty
| +--rw max-password-age?    uint32
+--rw expiry-alert-level
| |   +--rw info?            uint32
| |   +--rw minor?          uint32
| |   +--rw major?          uint32
| |   +--rw critical?       uint32
+--rw character-restriction
| |   +--rw upper?           uint32

```

```

| | +--rw lower?          uint32
| | +--rw numeric?       uint32
| | +--rw special-char?  uint32
| +--rw admin-lockout-enable?    empty
| +--rw login-notify-duration?   uint32
+--rw banner
| +--rw login?      string
| +--rw motd?      string
| +--rw incoming?  string
+--rw rule* [index]
| +--rw index      uint32
| +--rw action?   rule-action
| +--rw operation? rule-operation
| +--rw role?     string
| +--rw command
|   +--rw (cmdlist)?
|     +--:(container-cmds)
|       | +--rw enumList?          enumeration
|       +--:(interface-a)
|         | +--rw interface-int
|         |   +--rw interface-cont!
|         +--:(interface-c)
|           | +--rw interface-eth
|           |   +--rw interface
|           |     +--rw ethernet-cont!
|           +--:(interface-e)
|             | +--rw interface-eth-leaf
|             |   +--rw interface
|             |     +--rw ethernet-leaf?  interface:interface-type
|           +--:(interface-f)
|             | +--rw interface-mgmt
|             |   +--rw interface
|             |     +--rw management-cont!
|           +--:(interface-i)
|             | +--rw interface-pc
|             |   +--rw interface
|             |     +--rw port-channel-cont!
|           +--:(interface-j)
|             | +--rw interface-pc-leaf
|             |   +--rw interface
|             |     +--rw port-channel-leaf?  interface:portchannel-type
|           +--:(interface-m)
|             | +--rw interface-management-leaf
|             |   +--rw interface
|             |     +--rw management-leaf?  interface:man-interface-type
|           +--:(interface-n)
|             | +--rw interface-loopback
|             |   +--rw interface
|             |     +--rw loopback-cont!
|           +--:(interface-o)
|             | +--rw interface-loopback-leaf
|             |   +--rw interface
|             |     +--rw loopback-leaf?  loopback-intf:intf-loopback-port-type
|           +--:(interface-p)
|             | +--rw interface-ve
|             |   +--rw interface
|             |     +--rw ve-cont!
|           +--:(interface-q)
|             | +--rw interface-ve-leaf
|             |   +--rw interface
|             |     +--rw ve-leaf?  interface:ve-type
|           +--:(copy-a)
|             | +--rw copy-cp
|             |   +--rw copy-cont!

```

```

|     +---:(copy-b)
|     | +---rw copy-running
|     | | +---rw copy
|     | | +---rw running-config-cont!
|     +---:(copy-c)
|     | +---rw copy-support
|     | | +---rw copy
|     | | +---rw support-cp!
|     +---:(clear-a)
|     | +---rw clear-cl
|     | | +---rw clear-cont!
|     +---:(clear-b)
|     | +---rw clear-logging
|     | | +---rw clear
|     | | +---rw logging-cont!
|     +---:(clear-c)
|     | +---rw clear-support
|     | | +---rw clear
|     | | +---rw support-cl!
|     +---:(protocol-a)
|     | +---rw protocol-pr
|     | | +---rw protocol-cont!
|     +---:(protocol-b)
|     | +---rw protocol-spanning
|     | | +---rw protocol
|     | | +---rw spanning-tree-cont!
|     +---:(protocol-c)
|     | +---rw protocol-lldp
|     | | +---rw protocol
|     | | +---rw lldp-cont!
+---rw root-sa
| +---rw root
| | +---rw enable?    empty
| | +---rw access?   root_access_type
+---rw alias-config
+---rw alias* [name]
| +---rw name        string
| +---rw expansion   string
+---rw user* [name]
+---rw name          string
+---rw alias* [name]
+---rw name          string
+---rw expansion    string

```

brocade-aaa-ext

RPCs

```
rpcs:
  +---x user-session-info
    +--ro output
      +--ro user-role?  string
```

brocade-acl-policy

Top-level container

```
module: brocade-acl-policy
  +--rw acl-policy
    +--rw global-acl-policy-conf-cmds
      +--rw allow-conflicting-rules?   empty
      +--rw allow-duplicate-rules?     empty
      +--rw enable-acl-cam-sharing?     empty
      +--rw enable-acl-log-raslog
      | +--rw acl-log-raslog?          empty
      | +--rw log-interval?            common-def:time-interval-sec
      +--rw enable-implicit-deny-log
        +--rw implicit-deny-log?       empty
        +--rw acl-type                  enumeration
```

brocade-arp

Top-level container

```

module: brocade-arp
+--rw arp-entry* [arp-ip-address]
| +--rw arp-ip-address      inet:ipv4-address
| +--rw mac-address-value?  mac-access-list:mac-address-type
| +--rw interfacename?     enumeration
| +--rw (interfacetype)?
|   +--:(Port-channel)
|   | +--rw Port-channel?  interface:portchannel-type
|   +--:(Ethernet)
|   | +--rw Ethernet?     interface:interface-type
|   +--:(Ve)
|   | +--rw Ve?           interface:ve-type
+--rw host-table
+--rw aging-mode
| +--rw conversational?    empty
+--rw aging-time
+--rw conversational-timeout? uint32

```

RPCs

```

rpcs:
+---x get-arp
+---w input
| +---w (input-type)?
|   +--:(interface)
|   | +---w interface-type?  enumeration
|   | +---w interface-name?  union
|   +--:(dynamic)
|   | +---w dynamic?         empty
|   +--:(static)
|   | +---w static?          empty
|   +--:(ip)
|   | +---w ip-address?      inet:ipv4-address
+--ro output
+--ro arp-entry* [ip-address]
+--ro ip-address          inet:ipv4-address
+--ro mac-address?       mac-access-list:mac-address-type
+--ro interface-type?    enumeration
+--ro interface-name?    union
+--ro is-resolved?       boolean
+--ro vlan-bd-id?        string
+--ro vlan-bd-id?        string
+--ro age?                string
+--ro entry-type?        enumeration
module: brocade-beacon
+--rw beacon
+--rw enable
| +--rw interface
| | +---x ethernet
| | | +---w input
| | |   +---w eth_option
| | |     +---w ethernet    string
| | |     +---w start?     ietfyang:date-and-time

```

brocade-app-telemetry

Top-level container

```
module: brocade-app-telemetry
  +--rw app-telemetry
    +--rw app-telemetry-basic
      | +--rw enable?  empty
    +--rw access-list-container
      +--rw access-list?  string
      +--rw ingress?      empty
```

brocade-beacon

Top-level container

```

module: brocade-beacon
  +--rw beacon
    +--rw enable
      | +--rw interface
      | | +---x ethernet
      | | | +---w input
      | | |   +---w eth_option
      | | |     +---w ethernet    string
      | | |     +---w start?     ietfyang:date-and-time
      | | |     +---w length?    uint32
      | | +---x port-channel
      | | | +---w input
      | | |   +---w lag_option
      | | |     +---w port-channel  uint32
      | | |     +---w start?       ietfyang:date-and-time
      | | |     +---w length?     uint32
      | +---x chassis
      | | +---w input
      | | | +---w start?   ietfyang:date-and-time
      | | | +---w length?  uint32
    +--rw disable
      +--rw interface
      | +---x ethernet
      | | +---w input
      | | | +---w ethernet  string
      | +---x port-channel
      | | +---w input
      | | | +---w port-channel  uint32
      +---x chassis
  
```

brocade-bridge-domain

Top-level container

```

module: brocade-bridge-domain
  +--rw bridge-domain* [bridge-domain-id bridge-domain-type]
    +--rw bridge-domain-id      bridge-domain-id-type
    +--rw bridge-domain-type    enumeration
    +--rw vc-id-num?            uint32
    +--rw description?          string
    +--rw mac-learning
      | +--rw mac-learning-disable?  empty
    +--rw peer* [peer-ip]
      | +--rw peer-ip              inet:ipv4-address
      | +--rw load-balance?        empty
      | +--rw cos?                 uint32
      | +--rw lsp*                 string
      | +--rw flow-label?          empty
      | +--rw control-word?        empty
    +--rw statistics?            empty
    +--rw statistics-sync?        empty
    +--rw pw-profile-name?        common-def:name-string64
    +--rw router-interface* [router-ve]
      | +--rw router-ve            interface:ve-type
      | +--rw disallow-oar-ac?     empty
    +--rw logical-interface
      | +--rw ethernet* [lif-bind-id]
      | | +--rw lif-bind-id        import-lif:lif-interface-type
      | +--rw port-channel* [pc-lif-bind-id]
      | | +--rw pc-lif-bind-id     import-lif:lif-port-channel-type
    +--rw bpdu-drop-enable?       empty
    +--rw local-switching?        empty
    +--rw ip
      | +--rw dai:arp-node-config
      | | +--rw dai:arp
      | | | +--rw dai:inspection
      | | | +--rw dai:trust?      empty
      | | | +--rw dai:filter
      | | | +--rw dai:acl-name?   dai-acl-policy-name
      | +--rw igmp-snooping:bd-pim
      | | +--rw igmp-snooping:snooping
      | | | +--rw igmp-snooping:bd-pimv4-enable?  empty
      | +--rw igmp-snooping:bd-ip-igmp
      | | +--rw igmp-snooping:snooping
      | | | +--rw igmp-snooping:igmps-version?      igmps-version-type
      | | | +--rw igmp-snooping:igmps-last-member-query-interval?  lmqm-type
      | | | +--rw igmp-snooping:igmps-query-max-response-time?    qmrt-type
      | | | +--rw igmp-snooping:igmps-query-interval?             qi-type
      | | | +--rw igmp-snooping:igmps-enable?                  empty
      | | | +--rw igmp-snooping:igmps-fast-leave?              empty
      | | | +--rw igmp-snooping:restrict-unknown-multicast?    empty
      | | | +--rw igmp-snooping:igmps-querier
      | | | | +--rw igmp-snooping:igmps-qenable?  empty
      | | +--rw igmp-snooping:igmps_mrouter
      | | | +--rw igmp-snooping:igmps-interface* [igmps-if-type igmps-value]
      | | | | +--rw igmp-snooping:igmps-if-type  enumeration
      | | | | +--rw igmp-snooping:igmps-value    bridge-domain:bridge-domain-lif-
type
      | | | | +--rw igmp-snooping:igmps_static-group* [igmps-mcast-address igmps-
interface igmps-if-type igmps-value]
      | | | | +--rw igmp-snooping:igmps-mcast-address  inet:ipv4-address
      | | | | +--rw igmp-snooping:igmps-interface      enumeration

```

```

|           +--rw igmp-snooping:igmps-if-type           enumeration
|           +--rw igmp-snooping:igmps-value             bridge-domain:bridge-domain-
lif-type
+--rw ipv6
| +--rw mld-snooping:bd-pim
| | +--rw mld-snooping:snooping
| | | +--rw mld-snooping:bd-pimv6-enable?  empty
| | +--rw mld-snooping:bd-ipv6-mld
| | +--rw mld-snooping:mld-snooping
| | | +--rw mld-snooping:last-member-query-interval?  lmqt-type
| | | +--rw mld-snooping:query-max-response-time?    qmrt-type
| | | +--rw mld-snooping:query-interval?             qi-type
| | | +--rw mld-snooping:mldVersion?                version-type
| | | +--rw mld-snooping:enable?                    empty
| | | +--rw mld-snooping:fast-leave?                empty
| | | +--rw mld-snooping:querier
| | | | +--rw mld-snooping:qenable?  empty
| | | +--rw mld-snooping:mrouter
| | | | +--rw mld-snooping:interface* [if-type value]
| | | | | +--rw mld-snooping:if-type  enumeration
| | | | | +--rw mld-snooping:value    bridge-domain:bridge-domain-lif-type
| | | +--rw mld-snooping:static-group* [mcast-address interface if-type value]
| | | | +--rw mld-snooping:mcast-address  inet:ipv6-address
| | | | +--rw mld-snooping:interface      enumeration
| | | | +--rw mld-snooping:if-type        enumeration
| | | | +--rw mld-snooping:value          bridge-domain:bridge-domain-lif-type
+--rw mac-address
| +--rw withdrawal?  empty
+--rw arp:suppress-arp
| +--rw arp:suppress-arp-enable?  empty
+--rw ipv6-nd-ra:suppress-nd
| +--rw ipv6-nd-ra:suppress-nd-enable?  empty

```

brocade-certutil

This data model provides tail-f actions to perform functions such as importing an LDAP CA certificate, removing an LDAP CA certificate, or displaying the LDAP certificate.

Top-level container

```

module: brocade-certutil
  +--rw certutil
    +---x sshkey
      | +---w input
      |   +---w user      string
      |   +---w pubkey    string
    +---x aaa-cacpiv
      | +---w input
      |   +---w user      string
      |   +---w DN        string
    +---x sshx509v3
      | +---w input
      |   +---w user      string
      |   +---w DN        string
    +--rw import
      +---x sshkey
        +---w input
          +---w protocol  enumeration
          +---w source-ip? inet:ip-address
          +---w user      string
          +---w host      string
          +---w directory string
          +---w file      string
          +---w login     string
          +---w password? string
          +---w use-vrf?  common-def:use-vrf
  
```

External augmentations

```

module: brocade-common-def
  +--rw no
  | +--rw certutil:certutil
  +--rw show
  | +--rw certutil:cert-util
  
```

brocade-chassis

Top-level container

```

module: brocade-chassis
  +--rw hide-virtual-ip-holder
  |   +--rw chassis
  |   |   +--rw virtual-ip?      common-def:ipv4-prefix-mask
  |   |   +--rw virtual-ipv6?   common-def:ipv6-address-prefix
  |   |   +--rw oper-address
  |   |       +--ro virtual-oper-Vip-address?   common-def:ipv4-address-prefix-type
  |   |       +--ro virtual-oper-VipV6-address* string
  +--rw chassis
    +---x enable
    +---x disable
    +--rw beacon
    |   +---x enable
    |   +---x disable
    +--rw fan
    |   +--rw airflow-direction
    |   |   +---x port-side-intake
    |   |   +---x port-side-exhaust

```

Actions

Enable the chassis:

```

module: brocade-chassis
  +--rw chassis
  |   +--ro enable

```

Disable the chassis:

```

module: brocade-chassis
  +--rw chassis
  |   +--ro disable

```

Enable the chassis beacon:

```

module: brocade-chassis
  +--rw chassis
  |   +--rw beacon
  |   |   +--ro enable

```

Disable the chassis beacon:

```

module: brocade-chassis
  +--rw chassis
  |   +--rw beacon
  |   |   +--ro disable

```

Set the airflow direction to port-side-intake:

```

module: brocade-chassis
  +--rw chassis
  |   +--rw fan
  |   |   +--rw airflow-direction
  |   |   |   +--ro port-side-intake

```

Set the airflow direction to port-side-exhaust:

```
module: brocade-chassis
  +--rw chassis
    +--rw fan
      +--rw airflow-direction
        +--ro port-side-exhaust
```

brocade-clock

Top-level container

```
module: brocade-clock
  +--rw clock-set-datetime
  | +---x clock
  |   +---w input
  |     +---w set      ietfyang:date-and-time
  +--rw clock-sa
    +--rw clock
      +--rw timezone?  common-def:timezone
```

RPCs

```
rpcs:
  +---x show-clock
    +--ro output
      +--ro clock-time* []
        +--ro current-time?  ietfyang:date-and-time
        +--ro timezone?      string
```

brocade-common-def

Top-level container

```

module: brocade-common-def
  +--rw show
  | +--rw defaults
  | | +--rw threshold-monitor-extensions:threshold
  | | +---x threshold-monitor-extensions:sfp
  | |   +---w threshold-monitor-extensions:input
  | |   +---w threshold-monitor-extensions:type      sfp-type
  | +--rw aaa-extensions:aaa-users
  | | +---x aaa-extensions:users
  | +--rw certutil:cert-util
  | | +---x certutil:sshkey
  | |   +---w certutil:input
  | |   +---w certutil:user      string
  | +--rw brcd-crypto-ext:crypto
  | | +--rw brcd-crypto-ext:key
  | | | +---x brcd-crypto-ext:mypubkey
  | | +--rw brcd-crypto-ext:ca
  | | | +---x brcd-crypto-ext:trustpoint
  | | | +---x brcd-crypto-ext:certificates
  | +--rw event-handler:event-handler
  | | +---x event-handler:activations
  | +--rw firmware-extensions:firmware
  | | +---x firmware-extensions:firmwaredownloadstatus
  | | | +---w firmware-extensions:input
  | | | | +---w firmware-extensions:brief?      empty
  | | | | +---w firmware-extensions:summary?    empty
  | | | +--ro firmware-extensions:output
  | | | | +--ro firmware-extensions:result?    string
  | | | +---x firmware-extensions:firmwaredownloadhistory
  | | | | +--ro firmware-extensions:output
  | | | | +--ro firmware-extensions:result?    string
  | | | +---x firmware-extensions:firmware
  | | | | +---w firmware-extensions:input
  | | | | | +---w firmware-extensions:auto-sync?  enumeration
  | | | +--ro firmware-extensions:output
  | | | | +--ro firmware-extensions:result?    string
  | | | +---x firmware-extensions:version
  | | | | +---w firmware-extensions:input
  | | | | | +---w firmware-extensions:brief?      empty
  | | | | | +---w firmware-extensions:all-partitions?  empty
  | | | +--ro firmware-extensions:output
  | | | | +--ro firmware-extensions:result?    string
  | | | +---x firmware-extensions:firmware-features
  | | | | +--ro firmware-extensions:output
  | | | | +--ro firmware-extensions:result?    string
  | +--rw firmware:ztp
  | | +---x firmware:ztpstatus
  | | | +--ro firmware:output
  | | | | +--ro firmware:result?    string
  | +--rw firmware:show-firmware-dummy
  | | +--rw firmware:show-firmware-option
  | | | +--rw firmware:peripheral-show-option
  | | | | +---x firmware:peripheral-show-cpld
  | | | | +---x firmware:peripheral-show-fpga
  | | | | +--rw firmware:peripheral-show-bmc-option
  | | | | | +---x firmware:peripheral-show-bmc-all
  | | | | | +---x firmware:peripheral-show-bmc-boot
  | | | | +---x firmware:peripheral-show-bmc-application

```

```

| +--rw firmware:update
| | +---x firmware:onieversion
| | | +--ro firmware:output
| | |   +--ro firmware:onie-ver?  string
| | +---x firmware:grubversion
| |   +--ro firmware:output
| |     +--ro firmware:grub-ver?  string
| +--rw hardware:hardware
| | +---x hardware:port-group
| | +---x hardware:smt
| | +---x hardware:media-database
| | | +---w hardware:input
| | |   +---w (hardware:opt)?
| | |     +--:(hardware:all)
| | |       | +---w hardware:all      empty
| | |       +--:(hardware:sfp)
| | |         | +---w hardware:sfp    empty
| | |         +--:(hardware:qsfp)
| | |           | +---w hardware:qsfp  empty
| | |           +--:(hardware:qsfp28)
| | |             +---w hardware:qsfp28  empty
| | +---x hardware:profile
| |   +---w hardware:input
| |     +---w (hardware:profile-type)?
| |       +--:(hardware:tcam)
| |         | +---w hardware:tcam?      tcam-profile-subtype
| |         +--:(hardware:cam-share)
| |           | +---w hardware:cam-share-show?  empty
| |           +--:(hardware:route)
| |             | +---w hardware:routing
| |             |   +---w hardware:route      route-profile-subtype
| |             |     +---w hardware:routing-feature-flag
| |             |       +---w hardware:hw_opt?  empty
| |             |         +---w hardware:multi_vrf?  empty
| |             |           +---w hardware:v4_fib_comp?  empty
| |             |             +---w hardware:v6_fib_comp?  empty
| |             |               +---w hardware:ipv6-prefix-max64?  empty
| |             |                 +---w hardware:urpf_flag?  empty
| |             +--:(hardware:qos)
| |               | +---w hardware:qos?      qos-profile-subtype
| |               +--:(hardware:lag)
| |                 | +---w hardware:lag?      lag-profile-subtype
| |                 +--:(hardware:counters)
| |                   | +---w hardware:counters?  counters-profile-subtype
| |                   +--:(hardware:etcam)
| |                     | +---w hardware:etcam?  etcam-profile-subtype
| |                     +--:(hardware:current)
| |                       +---w hardware:current-container
| |                         +---w hardware:current?  empty
| |                         +---w hardware:usage?    empty
| |                         +---w hardware:slot?     uint32
| |                         +---w hardware:chip?     uint32
| +--rw ha:ha
| | +---x ha:ha
| |   +---w ha:input
| |     +---w ha:all-partitions?  empty
| +--rw ha:redundancy
| | +---x ha:redundancy
| +--rw http-config:http
| | +--rw http-config:server
| |   +---x http-config:status
| +--rw brocade-license:license
| | +---x brocade-license:id
| |   +--ro brocade-license:output

```

```

| |         +--ro brocade-license:licenseid-list* []
| |         +--ro brocade-license:license-id?  string
| +--rw brocade-license:enh-show-license-keys
| | +---x brocade-license:license
| | | +---w brocade-license:input
| | | | +---w (brocade-license:single-or-all)?
| | | | +--:(brocade-license:eula)
| | | | +---w brocade-license:eula?  empty
| | | +--ro brocade-license:output
| | | +--ro brocade-license:license-list* []
| | | | +--ro brocade-license:license-details* []
| | | | | +--ro brocade-license:license-data?      string
| | | | | +--ro brocade-license:license-expiry-date?  string
| | | | | +--ro brocade-license:license-feature-name?  string
| | | | | +--ro brocade-license:license-capacity?     string
| | | | | +--ro brocade-license:license-consumed?     string
| | | | | +--ro brocade-license:license-valid-state?  string
| | | | | +--ro brocade-license:license-vendor-info?  string
| | | | | +--ro brocade-license:license-eula-date?    string
| | | +---x brocade-license:dpod
| | | +--ro brocade-license:output
| | | | +--ro brocade-license:showdpod-list* []
| | | | | +--ro brocade-license:dpod-details* []
| | | | | | +--ro brocade-license:dpod-ports?          uint32
| | | | | | +--ro brocade-license:dpod-licenses-installed?  uint32
| | | | | | +--ro brocade-license:num-ports-provisioned?    uint32
| | | | | | +--ro brocade-license:num-ports-reserved?      uint32
| | | | | | +--ro brocade-license:num-ports-license-available?  uint32
| +--rw linecard-management:linecardinfo
| | +---x linecard-management:linecard
| +--rw linecard-management:sfminfo
| | +---x linecard-management:switch_fabric_module
| +--rw linecard-management:mminfor
| | +---x linecard-management:mm
| +--rw linecard-management:slotsinfor
| | +---x linecard-management:slots
| +--rw linecard-management:latch-detection-info
| | +---x linecard-management:show-latch-detection
| | +---w linecard-management:input
| | | +---w linecard-management:linecard?  fusion_slotnum
| +--rw ras-extensions:support
| | +---x ras-extensions:support
| +--rw ras-extensions:tech-support
| | +---x ras-extensions:tech-support
| +--rw ras-extensions:copy-support
| | +---x ras-extensions:status
| | +---x ras-extensions:group-list
| +--rw ras-extensions:infra-inventory
| | +---x ras-extensions:inventory
| | | +---w ras-extensions:input
| | | | +---w (ras-extensions:opt)?
| | | | | +--:(ras-extensions:chassis)
| | | | | | +---w ras-extensions:chassis?  empty
| | | | | +--:(ras-extensions:fan)
| | | | | | +---w ras-extensions:fan?      empty
| | | | | +--:(ras-extensions:module)
| | | | | | +---w ras-extensions:module?  empty
| | | | | +--:(ras-extensions:powerSupply)
| | | | | | +---w ras-extensions:powerSupply?  empty
| +--rw ras-extensions:infra
| | +---x ras-extensions:chassis
| | | +--ro ras-extensions:output
| | | | +--ro ras-extensions:chassis-info* []
| | | | +--ro ras-extensions:switch-type          uint32

```

```

| | | +--ro ras-extensions:vendor string
| | | +--ro ras-extensions:vendor-version string
| | | +--ro ras-extensions:supplier-serial-number? string
| | | +--ro ras-extensions:chassis-service-tag? string
| | | +--ro ras-extensions:bay-id? string
| | | +--ro ras-extensions:vendor-part-number? string
| | | +--ro ras-extensions:brocade-part-number? string
| | | +--ro ras-extensions:max-port? int32
| | | +--ro ras-extensions:is-ha-enabled? boolean
| | | +--ro ras-extensions:is-ha-redundant? boolean
| | | +--ro ras-extensions:is-ha-heartbeat-up? boolean
| | | +--ro ras-extensions:is-ha-synchronized? boolean
| | | +--ro ras-extensions:ha-recovery? ha-recovery-type
| | | +--ro ras-extensions:fru* []
| | | | +--ro ras-extensions:tag uint32
| | | | +--ro ras-extensions:part-number string
| | | | +--ro ras-extensions:serial-number string
| | | | +--ro ras-extensions:field-replacable boolean
| | | | +--ro ras-extensions:slot-number uint32
| | | | +--ro ras-extensions:logical-slot-number? uint32
| | | | +--ro ras-extensions:blade-type-id? uint32
| | | | +--ro ras-extensions:slot-eth-port-cnt? uint32
| | | | +--ro ras-extensions:manufacturer-date xs:date
| | | | +--ro ras-extensions:update-date xs:date
| | | | +--ro ras-extensions:version string
| | | | +--ro ras-extensions:vendor-equipment-type fru-type
| | | | +--ro ras-extensions:operational-status fru-operational-status
| | | | +--ro ras-extensions:manufacturer string
| | | | +--ro ras-extensions:vendor? string
| | | | +--ro ras-extensions:vendor-part-number? string
| | | | +--ro ras-extensions:vendor-serial-number? string
| | +--rw ras-extensions:process
| | | +---x ras-extensions:info
| | +--rw ras-extensions:environment
| | | +---x ras-extensions:fan
| | | +---x ras-extensions:power
| | | +---x ras-extensions:led
| | | +---x ras-extensions:temp
| | | | +---w ras-extensions:input
| | | | | +---w ras-extensions:detail? empty
| | | +---x ras-extensions:sensor
| | | | +--ro ras-extensions:output
| | | | | +--ro ras-extensions:sensor-info* []
| | | | | | +--ro ras-extensions:sensor* []
| | | | | | | +--ro ras-extensions:id uint32
| | | | | | | +--ro ras-extensions:type sensor-type
| | | | | | | +--ro ras-extensions:sub-type uint32
| | | | | | | +--ro ras-extensions:status sensor-status
| | | | | | | +--ro ras-extensions:current-reading int32
| | | +---x ras-extensions:history
| | +--rw ras-extensions:logging
| | | +---x ras-extensions:raslog
| | | | +---w ras-extensions:input
| | | | | +---w ras-extensions:reverse? empty
| | | | | +---w ras-extensions:message-type? enumeration
| | | | | +---w ras-extensions:attribute? enumeration
| | | | | +---w ras-extensions:blade? string
| | | | | +---w ras-extensions:count? uint16
| | | | | +---w ras-extensions:severity? enumeration
| | | +---x ras-extensions:auditlog
| | | | +---w ras-extensions:input
| | | | | +---w ras-extensions:reverse? empty
| | | | | +---w ras-extensions:count? uint16
| | +--rw brcd-sec-services:telnet

```

```

| | +--rw brcd-sec-services:server
| |   +---x brcd-sec-services:status
| +--rw brcd-sec-services:ssh
| | +--rw brcd-sec-services:server
| | | +---x brcd-sec-services:status
| | +--rw brcd-sec-services:client
| |   +---x brcd-sec-services:status
| +--rw brcd-sec-services:selinux
| |   +---x brcd-sec-services:status
| |   +--ro brcd-sec-services:output
| |     +--ro brcd-sec-services:status-output?   string
| +--rw snmp-server:snmp-server
| |   +---x snmp-server:status
| |   +--ro snmp-server:output
| |     +--ro snmp-server:server* [vrf]
| |       +--ro snmp-server:vrf   string
| |       +--ro snmp-server:status?   server-status
| +--rw sysmgr:bpswitch
| | +--rw sysmgr:show-stats
| |   +---x sysmgr:stats
| |   +---w sysmgr:input
| |     +---w (sysmgr:show-bpswitch-type)?
| |       +--:(sysmgr:stats1)
| |         | +---w sysmgr:port?   uint32
| |         +--:(sysmgr:stats2)
| |           +---w sysmgr:global?   empty
| +--rw system-monitor-extensions:system
| |   +---x system-monitor-extensions:monitor
| |   +--ro system-monitor-extensions:output
| |     +--ro system-monitor-extensions:switch-status* []
| |     +--ro system-monitor-extensions:switch-name?   string
| |     +--ro system-monitor-extensions:switch-ip?     inet:ip-address
| |     +--ro system-monitor-extensions:report-time?    ietfyang:date-and-
time
| |   +--ro system-monitor-extensions:switch-state?    system-monitor-
health-state-enum
| |     +--ro system-monitor-extensions:component-status* []
| |       | +--ro system-monitor-extensions:component-name?   string
| |       | +--ro system-monitor-extensions:component-state?   system-monitor-
health-state-enum
| |     +--ro system-monitor-extensions:faulty-port* []
| |     +--ro system-monitor-extensions:port-name?   string
| +--rw threshold-monitor-extensions:threshold
| | +--rw threshold-monitor-extensions:monitor
| |   +---x threshold-monitor-extensions:route
| |   | +--ro threshold-monitor-extensions:output
| |   |   +--ro threshold-monitor-extensions:ipv4-route-profile-limit?   uint32
| |   |   +--ro threshold-monitor-extensions:ipv6-route-profile-limit?   uint32
| |   |   +--ro threshold-monitor-extensions:ipv4-route-entry?           uint32
| |   |   +--ro threshold-monitor-extensions:ipv6-route-entry?           uint32
| |   |   +--ro threshold-monitor-extensions:ipv4-route-usage?           uint8
| |   |   +--ro threshold-monitor-extensions:ipv6-route-usage?           uint8
| |   |   +--ro threshold-monitor-extensions:route-hw-usage?             uint8
| |   +---x threshold-monitor-extensions:host
| |   | +--ro threshold-monitor-extensions:output
| |   |   +--ro threshold-monitor-extensions:arp-profile-limit?           uint32
| |   |   +--ro threshold-monitor-extensions:nd-profile-limit?           uint32
| |   |   +--ro threshold-monitor-extensions:arp-entry?                 uint32
| |   |   +--ro threshold-monitor-extensions:nd-entry?                 uint32
| |   |   +--ro threshold-monitor-extensions:arp-usage?                 uint8
| |   |   +--ro threshold-monitor-extensions:nd-usage?                 uint8
| |   |   +--ro threshold-monitor-extensions:host-hw-usage?             uint8
| |   +---x threshold-monitor-extensions:nexthop
| |   | +--ro threshold-monitor-extensions:output

```

```

| | | +--ro threshold-monitor-extensions:nexthop-profile-limit? uint32
| | | +--ro threshold-monitor-extensions:rh-flowset-profile-limit? uint32
| | | +--ro threshold-monitor-extensions:nexthop-entry? uint32
| | | +--ro threshold-monitor-extensions:rh-flowset-entry? uint32
| | | +--ro threshold-monitor-extensions:nexthop-usage? uint8
| | | +--ro threshold-monitor-extensions:rh-flowset-usage? uint8
| | | +--ro threshold-monitor-extensions:nexthop-hw-usage? uint8
| | | +--ro threshold-monitor-extensions:encap-usage? uint8
| | +---x threshold-monitor-extensions:ecmp
| | | +--ro threshold-monitor-extensions:output
| | | | +--ro threshold-monitor-extensions:ecmp-profile-limit? uint32
| | | | +--ro threshold-monitor-extensions:ecmp-entry? uint32
| | | | +--ro threshold-monitor-extensions:ecmp-usage? uint8
| | | | +--ro threshold-monitor-extensions:ecmp-hw-usage? uint8
| +--rw tpvm:tpvm
| | +---x tpvm:status
| | | +---w tpvm:input
| | | | +---w tpvm:tpvmid? string
| | | | +---w tpvm:debug? boolean
| | | | +---w tpvm:clear-tag? string
| | | | +---w tpvm:blade? bladeType
| | | +--ro tpvm:output
| | | | +--ro tpvm:tpvm-status-msg? string
| | | | +--ro tpvm:additional-status? string
| | | | +--ro tpvm:tpvm-state? tpvmStateType
| | | | +--ro tpvm:version? string
| | | | +--ro tpvm:auto-boot-enabled? empty
| | | | +--ro tpvm:allow-pwless-enabled? empty
| | | | +--ro tpvm:upgrade-fail-reason? string
| | | | +--ro tpvm:reboot-required? empty
| | +---x tpvm:status-history
| | | +---w tpvm:input
| | | | +---w tpvm:tpvmid? string
| | | | +---w tpvm:blade? bladeType
| | | +--ro tpvm:output
| | | | +--ro tpvm:tpvm-status-history-msg? string
| | +---x tpvm:service-port
| | | +---w tpvm:input
| | | | +---w tpvm:blade? bladeType
| | | | +---w tpvm:debug? boolean
| | | +--ro tpvm:output
| | | | +--ro tpvm:tpvm-service-port-msg? string
| | +---x tpvm:ip-address
| | | +---w tpvm:input
| | | | +---w tpvm:tpvmid? string
| | | | +---w tpvm:blade? bladeType
| | | | +---w tpvm:debug? boolean
| | | +--ro tpvm:output
| | | | +--ro tpvm:tpvm-ipaddr-msg? string
| | +---x tpvm:disk
| | | +---w tpvm:input
| | | | +---w tpvm:tpvmid? string
| | | | +---w tpvm:name? union
| | | | +---w tpvm:blade? bladeType
| | | | +---w tpvm:debug? boolean
| | | +--ro tpvm:output
| | | | +--ro tpvm:tpvm-show-disk-msg? string
| +--rw tpvm:config
| | +---x tpvm:ldap
| | | +---w tpvm:input
| | | | +---w tpvm:tpvmid? string
| | | +--ro tpvm:output
| | | | +--ro tpvm:tpvm-ldap-config-msg? string
| | +---x tpvm:ntp

```

```

| | | | +---w tpvm:input
| | | | | +---w tpvm:tpvmid? string
| | | | +---ro tpvm:output
| | | | +---ro tpvm:tpvm-ntp-config-msg? string
| | | +---x tpvm:dns
| | | | +---w tpvm:input
| | | | | +---w tpvm:tpvmid? string
| | | | +---ro tpvm:output
| | | | +---ro tpvm:tpvm-dns-config-msg? string
| | | +---rw tpvm:system-attributes
| | | | +---x tpvm:hostname
| | | | | +---w tpvm:input
| | | | | | +---w tpvm:tpvmid? string
| | | | | +---ro tpvm:output
| | | | | +---ro tpvm:tpvm-sys-config-msg? string
| | | | +---x tpvm:timezone
| | | | | +---w tpvm:input
| | | | | | +---w tpvm:tpvmid? string
| | | | | +---ro tpvm:output
| | | | | +---ro tpvm:tpvm-sys-config-msg? string
| | | +---x tpvm:trusted-peer
| | | | +---w tpvm:input
| | | | | +---w tpvm:tpvmid? string
| | | | +---ro tpvm:output
| | | | +---ro tpvm:tpvm-trusted-peer-config-msg? string
| | | +---rw tpvm:password-policy
| | | | +---x tpvm:min-length
| | | | | +---w tpvm:input
| | | | | | +---w tpvm:tpvmid? string
| | | | | +---ro tpvm:output
| | | | | +---ro tpvm:tpvm-password-policy-config-val? uint32
| | | | +---rw tpvm:character-restriction
| | | | | +---x tpvm:lower
| | | | | | +---w tpvm:input
| | | | | | | +---w tpvm:tpvmid? string
| | | | | | +---ro tpvm:output
| | | | | | +---ro tpvm:tpvm-password-policy-config-val? uint32
| | | | | +---x tpvm:upper
| | | | | | +---w tpvm:input
| | | | | | | +---w tpvm:tpvmid? string
| | | | | | +---ro tpvm:output
| | | | | | +---ro tpvm:tpvm-password-policy-config-val? uint32
| | | | | +---x tpvm:numeric
| | | | | | +---w tpvm:input
| | | | | | | +---w tpvm:tpvmid? string
| | | | | | +---ro tpvm:output
| | | | | | +---ro tpvm:tpvm-password-policy-config-val? uint32
| | | | | +---x tpvm:special-char
| | | | | | +---w tpvm:input
| | | | | | | +---w tpvm:tpvmid? string
| | | | | | +---ro tpvm:output
| | | | | | +---ro tpvm:tpvm-password-policy-config-val? uint32
| | +---x tpvm:snapshot
| | | +---w tpvm:input
| | | | +---w tpvm:tpvmid? string
| | | +---ro tpvm:output
| | | | +---ro tpvm:domain-name? string
| | | | +---ro tpvm:domain-version? string
| | | | +---ro tpvm:snapshot-time? string
| | | | +---ro tpvm:snapshot-size? string
| +---rw bmc-exec:bmc
| | +---x bmc-exec:status
| | +---x bmc-exec:password-status
| | | +---w bmc-exec:input

```

```

| | | | +---w bmc-exec:user-id    uint32
| | | +--ro bmc-exec:output
| | |   +--ro bmc-exec:pwd-status?  string
| | | +---x bmc-exec:config-history
| | |   +--ro bmc-exec:output
| | |     +--ro bmc-exec:bmc-config-history-msg?  string
| | +---x bmc-exec:interface
| |   +---w bmc-exec:input
| |     +---w bmc-exec:mgmtintf
| |       +---w bmc-exec:management    uint32
| |         +---w (bmc-exec:bmcintstatus)?
| |           +--:(bmc-exec:ipv4)
| |             | +---w bmc-exec:ip      empty
| |             +--:(bmc-exec:bmcstatus)
| |               +---w bmc-exec:status  empty
| |   +--ro bmc-exec:output
| |     +--ro bmc-exec:ipsrc?    string
| |     +--ro bmc-exec:ipaddr?   string
| |     +--ro bmc-exec:netmask?  string
| |     +--ro bmc-exec:gateway?  string
| |     +--ro bmc-exec:macaddr?  string
| |     +--ro bmc-exec:status?   string
| |     +--ro bmc-exec:error?   string
| +--rw cfg-mgmt:config-drift-track
| | +---x cfg-mgmt:values
| | | +--ro cfg-mgmt:output
| | |   +--ro cfg-mgmt:drift-ts?    uint64
| | |   +--ro cfg-mgmt:drift-counter?  uint64
| | +---x cfg-mgmt:status
| | | +--ro cfg-mgmt:output
| | |   +--ro cfg-mgmt:status?  driftTrackStatus
| +--rw remote_att:remote-attestation
| | +---x remote_att:status
| | | +--ro remote_att:output
| | | | +--ro remote_att:show-remote-att-status* []
| | | |   +--ro remote_att:status?    string
| | | |   +--ro remote_att:registrar-ip?  string
| | | |   +--ro remote_att:registrar-port?  string
| | | |   +--ro remote_att:agent-port?    string
| | | |   +--ro remote_att:uuid?        string
| | | |   +--ro remote_att:ima-status?   string
| | +---x remote_att:boot-aggregate
| | | +--ro remote_att:output
| | |   +--ro remote_att:boot-aggregate?  string
| +--rw tpm:tpm
| | +---x tpm:ekcert
| | +---x tpm:iakcert
| | +---x tpm:idevidcert
+--rw clear
| +--rw brcd-aaa:login
| | +---x brcd-aaa:sessions
+--rw ras-extensions:support
| | +---x ras-extensions:support
+--rw ras-extensions:logging
| | +---x ras-extensions:raslog
| | | +---w ras-extensions:input
| | |   +---w ras-extensions:message-type?  enumeration
| | +---x ras-extensions:auditlog
+--rw sysmgr:bpswitch
| | +---x sysmgr:clear-stats
+--rw no
| +--rw certutil:certutil
| | +---x certutil:sshkey
| | | +---w certutil:input

```

```

| | | +---w certutil:user      string
| | +---x certutil:aaa-cacpiv
| | | +---w certutil:input
| | | +---w certutil:user      string
| | +---x certutil:sshx509v3
| | | +---w certutil:input
| | | +---w certutil:user      string
| +--rw clock-server:clock
| | +---x clock-server:timezone
| +--rw brcd-crypto-ext:nocrypto
| | +--rw brcd-crypto-ext:ca
| | | +---x brcd-crypto-ext:authenticate
| | | | +---w brcd-crypto-ext:input
| | | | | +---w brcd-crypto-ext:authenticate_params
| | | | | +---w brcd-crypto-ext:trustpoint      string
| | | | | +---w brcd-crypto-ext:cert-type      cert-type-enum
| | | +---x brcd-crypto-ext:import
| | | | +---w brcd-crypto-ext:input
| | | | | +---w brcd-crypto-ext:authenticate_params
| | | | | +---w brcd-crypto-ext:trustpoint      string
| | | | | +---w brcd-crypto-ext:certificate      empty
| | | | | +---w brcd-crypto-ext:cert-type      cert-type-enum
| | | +---x brcd-crypto-ext:import-pkcs
| | | | +---w brcd-crypto-ext:input
| | | | | +---w brcd-crypto-ext:authenticate_params
| | | | | +---w brcd-crypto-ext:type      enumeration
| | | | | +---w brcd-crypto-ext:cert-type      cert-type-enum-pkcs
| | +--rw brcd-crypto-ext:import
| | | +---x brcd-crypto-ext:ldapca
| | | +---x brcd-crypto-ext:syslogca
| | | +---x brcd-crypto-ext:radiusca
| | | +---x brcd-crypto-ext:sshx509v3ca
| | | +---x brcd-crypto-ext:gnmiclientca
| | | +---x brcd-crypto-ext:oauth2pkicert
| | | +---x brcd-crypto-ext:httpsclientca
| +--rw tpvm:tpvm
| | +--rw tpvm:service-port
| | | +---x tpvm:enable
| | | | +---w tpvm:input
| | | | | +---w tpvm:blade?      bladeType
| | | +--ro tpvm:output
| | | | +--ro tpvm:sp-disable-msg?      string
+--rw ip
| +--rw ip-administration:dns
| | +--rw ip-administration:dom-name
| | | +--rw ip-administration:domain-name?      string
| | | +--rw ip-administration:name-server* [name-server-ip use-vrf]
| | | | +--rw ip-administration:name-server-ip      inet:ip-address
| | | | +--rw ip-administration:use-vrf      common-def:use-vrf
| | | +--rw ip-administration:source-interface
| | | | +--rw ip-administration:source-intf-type?      source-interface-type
| | | | +--rw ip-administration:ethernet
| | | | | +--rw ip-administration:source-intf-name?      ethernet-iftype
| | | | +--rw ip-administration:loopback
| | | | | +--rw ip-administration:source-intf-name?      loopback-iftype
| | | | +--rw ip-administration:ve
| | | | | +--rw ip-administration:source-intf-name?      ve-iftype
| | | | +--rw ip-administration:management
| | | | | +--rw ip-administration:source-intf-name?      mm-iftype
| +--rw ip-policy:hide-prefix-holder
| | +--rw ip-policy:prefix-list* [name seq-keyword instance]
| | | +--rw ip-policy:name      ip-prefix-name-t
| | | +--rw ip-policy:seq-keyword      enumeration
| | | +--rw ip-policy:instance      instance-id-t

```

```

| |     +--rw ip-policy:ip-description-ipp?  common-def:name-string63
| |     +--rw ip-policy:action-ipp?         action-t
| |     +--rw ip-policy:prefix-ipp?        inet:ipv4-prefix
| |     +--rw ip-policy:ge-ipp?            prefix-len-t
| |     +--rw ip-policy:le-ipp?            prefix-len-t
| +--rw ip-policy:flowspec
| |   +--rw ip-policy:rules
| |     +--rw ip-policy:statistics?        empty
| |     +--rw ip-policy:statistics-vrf
| |       +--rw ip-policy:statistics* [vrf]
| |         +--rw ip-policy:vrf          common-def:vrf-name
| +--rw ip-policy:hide-as-path-holder
| |   +--rw ip-policy:as-path
| |     +--rw ip-policy:access-list* [name seq-keyword instance]
| |       +--rw ip-policy:name           ip-as-path-name-t
| |       +--rw ip-policy:seq-keyword    enumeration
| |       +--rw ip-policy:instance       instance-id-t
| |       +--rw ip-policy:ip-action?     action-t
| |       +--rw ip-policy:ip-reg-expr?   ip-as-path-reg-expr-t
| +--rw ip-policy:hide-community-list-holder
| |   +--rw ip-policy:community-list
| |     +--rw ip-policy:standard* [name seq-keyword instance]
| |       +--rw ip-policy:name           ip-community-list-name-t
| |       +--rw ip-policy:seq-keyword    enumeration
| |       +--rw ip-policy:instance       instance-id-t
| |       +--rw ip-policy:ip-action?     action-t
| |       +--rw ip-policy:std-community-expr? ip-std-community-expr-t
| |     +--rw ip-policy:extended* [name seq-keyword instance]
| |       +--rw ip-policy:name           ip-community-list-name-t
| |       +--rw ip-policy:seq-keyword    enumeration
| |       +--rw ip-policy:instance       instance-id-t
| |       +--rw ip-policy:ip-action?     action-t
| |       +--rw ip-policy:ip-community-reg-expr? ip-community-reg-expr-t
| +--rw ip-policy:hide-ext-community-list-holder
| |   +--rw ip-policy:extcommunity-list
| |     +--rw ip-policy:standard* [extcommunity-list-name]
| |       +--rw ip-policy:extcommunity-list-name ip-extcommunity-list-name-t
| |       +--rw ip-policy:seq* [seq-id]
| |         +--rw ip-policy:seq-id        uint32
| |         +--rw ip-policy:ext-community-action? action-t
| |         +--rw ip-policy:ext-community-expr? extcommunity-list-expr-t
| |     +--rw ip-policy:extended* [extended-extcommunity-list-name]
| |       +--rw ip-policy:extended-extcommunity-list-name ip-extcommunity-list-
name-t
| |     +--rw ip-policy:seq* [extended-seq-id]
| |       +--rw ip-policy:extended-seq-id    uint32
| |       +--rw ip-policy:exp-ext-community-action? action-t
| |       +--rw ip-policy:ext-community-regex? extcommunity-list-reg-expr-t
| +--rw rtm:rtm-config
| |   +--rw rtm:router-id?      inet:ipv4-address
| |   +--rw rtm:load-sharing?   uint32
| |   +--rw rtm:route
| |     +--rw rtm:static-route-nh* [static-route-dest static-route-next-hop]
| |       +--rw rtm:static-route-dest      inet:ipv4-prefix
| |       +--rw rtm:static-route-next-hop  inet:ipv4-address
| |       +--rw rtm:route-attributes
| |         +--rw rtm:metric?              uint32
| |         +--rw rtm:distance?            uint32
| |         +--rw rtm:tag?                 uint32
| |         +--rw rtm:route_name?          ip-static-route-name
| |     +--rw rtm:static-route-nh-vrf* [static-route-next-vrf-dest next-hop-vrf static-
route-next-hop]
| |       +--rw rtm:static-route-next-vrf-dest inet:ipv4-prefix
| |       +--rw rtm:next-hop-vrf            common-def:vrf-name

```

```

| | | +--rw rtm:static-route-next-hop          inet:ipv4-address
| | | +--rw rtm:static-route-oif-vrf* [static-route-next-vrf-dest next-hop-vrf
static-route-oif-type static-route-oif-name]
| | | +--rw rtm:static-route-next-vrf-dest    inet:ipv4-prefix
| | | +--rw rtm:next-hop-vrf                  common-def:vrf-name
| | | +--rw rtm:static-route-oif-type         enumeration
| | | +--rw rtm:static-route-oif-name         string
| | | +--rw rtm:static-route-oif* [static-route-dest static-route-oif-type static-
route-oif-name]
| | | +--rw rtm:static-route-dest             inet:ipv4-prefix
| | | +--rw rtm:static-route-oif-type         enumeration
| | | +--rw rtm:static-route-oif-name         string
| | | +--rw rtm:route-attributes
| | |   +--rw rtm:metric?                      uint32
| | |   +--rw rtm:distance?                    uint32
| | |   +--rw rtm:tag?                          uint32
| | |   +--rw rtm:route_name?                  ip-static-route-name
| | | +--rw rtm:static
| | | +--rw rtm:bfd
| | |   +--rw rtm:bfd-static-route* [bfd-static-route-dest bfd-static-route-src]
| | |     +--rw rtm:bfd-static-route-dest      inet:ipv4-address
| | |     +--rw rtm:bfd-static-route-src       inet:ipv4-address
| | |     +--rw rtm:bfd-interval-attributes
| | |       +--rw rtm:interval?                uint16
| | |       +--rw rtm:min-rx?                  uint16
| | |       +--rw rtm:multiplier?              uint8
| | |       +--rw rtm:holdover-interval?      uint8
| | | +--rw rtm:next-hop-recursion?           empty
| +--rw rtm:import
|   +--rw rtm:routes* [src-vrf route-map]
|     +--rw rtm:src-vrf                        common-def:vrf-name
|     +--rw rtm:route-map                      common-def:name-string63
+--rw ipv6
| +--rw router
| +--rw control-plane:ipv6-global-cmd
| | +--rw control-plane:option
| |   +--rw control-plane:option-disable?     empty
| +--rw dhcpv6:dhcp
| | +--rw dhcpv6:relay
| |   +--rw dhcpv6:maximum-delegated-prefix?  dhcpv6-system-delegatedprefix
+--rw ip-policy:prefix-list* [name seq-keyword instance]
| | +--rw ip-policy:name                      ipv6-prefix-name-t
| | +--rw ip-policy:seq-keyword               enumeration
| | +--rw ip-policy:instance                  instance-id-t
| | +--rw ip-policy:ipv6-description-ipp?     common-def:name-string63
| | +--rw ip-policy:action-ipp?               action-t
| | +--rw ip-policy:ipv6-prefix-ipp?          inet:ipv6-prefix
| | +--rw ip-policy:ge-ipp?                   ipv6-prefix-len-t
| | +--rw ip-policy:le-ipp?                   ipv6-prefix-len-t
+--rw ip-policy:flowspec
| | +--rw ip-policy:rules
| |   +--rw ip-policy:statistics?              empty
| |   +--rw ip-policy:statistics-vrf
| |     +--rw ip-policy:statistics* [vrf]
| |     +--rw ip-policy:vrf                  common-def:vrf-name
+--rw ipv6-nd-ra:ipv6-global-cmds
| | +--rw ipv6-nd-ra:nd-global
| |   +--rw ipv6-nd-ra:cache
| |     +--rw ipv6-nd-ra:global-cache-limit?  uint32
| |     +--rw ipv6-nd-ra:global-suppress-ra?  empty
| |     +--rw ipv6-nd-ra:dns-server-global* [dns-server-prefix-global]
| |       +--rw ipv6-nd-ra:dns-server-prefix-global  inet:ipv6-address
| |       +--rw ipv6-nd-ra:dns-server-lifetime-global?  uint32
| |     +--rw ipv6-nd-ra:domain-name-global* [domain-name-string-global]

```

```

| |      +--rw ipv6-nd-ra:domain-name-string-global      string
| |      +--rw ipv6-nd-ra:domain-name-lifetime-global?   uint32
| +--rw ipv6-route:route
| | +--rw ipv6-route:static-route-nh* [static-route-dest static-route-next-hop]
| | | +--rw ipv6-route:static-route-dest                inet:ipv6-prefix
| | | +--rw ipv6-route:static-route-next-hop            inet:ipv6-address
| | | +--rw ipv6-route:route-attributes
| | |   +--rw ipv6-route:metric?                        uint32
| | |   +--rw ipv6-route:distance?                     uint32
| | |   +--rw ipv6-route:tag?                          uint32
| | |   +--rw ipv6-route:route_name?                   rtm:ip-static-route-name
| | +--rw ipv6-route:static-route-oif* [static-route-dest static-route-oif-type
static-route-oif-name]
| | | +--rw ipv6-route:static-route-dest                inet:ipv6-prefix
| | | +--rw ipv6-route:static-route-oif-type            enumeration
| | | +--rw ipv6-route:static-route-oif-name            string
| | | +--rw ipv6-route:route-attributes
| | |   +--rw ipv6-route:metric?                        uint32
| | |   +--rw ipv6-route:distance?                     uint32
| | |   +--rw ipv6-route:tag?                          uint32
| | |   +--rw ipv6-route:route_name?                   rtm:ip-static-route-name
| | +--rw ipv6-route:link-local-static-route-nh* [link-local-static-route-dest link-
local-nexthop link-local-route-oif-type link-local-route-oif-name]
| | | +--rw ipv6-route:link-local-static-route-dest     inet:ipv6-prefix
| | | +--rw ipv6-route:link-local-nexthop               inet:ipv6-address
| | | +--rw ipv6-route:link-local-route-oif-type        enumeration
| | | +--rw ipv6-route:link-local-route-oif-name        string
| | | +--rw ipv6-route:route-attributes
| | |   +--rw ipv6-route:metric?                        uint32
| | |   +--rw ipv6-route:distance?                     uint32
| | |   +--rw ipv6-route:tag?                          uint32
| | |   +--rw ipv6-route:route_name?                   rtm:ip-static-route-name
| | +--rw ipv6-route:static-route-nh-vrf* [static-route-next-vrf-dest next-hop-vrf
static-route-next-hop]
| | | +--rw ipv6-route:static-route-next-vrf-dest       inet:ipv6-prefix
| | | +--rw ipv6-route:next-hop-vrf                     common-def:vrf-name
| | | +--rw ipv6-route:static-route-next-hop            inet:ipv6-address
| | +--rw ipv6-route:link-local-static-route-nh-vrf* [static-route-next-vrf-dest next-
hop-vrf link-local-next-hop link-local-route-oif-type link-local-route-oif-name]
| | | +--rw ipv6-route:static-route-next-vrf-dest       inet:ipv6-prefix
| | | +--rw ipv6-route:next-hop-vrf                     common-def:vrf-name
| | | +--rw ipv6-route:link-local-next-hop              inet:ipv6-address
| | | +--rw ipv6-route:link-local-route-oif-type        enumeration
| | | +--rw ipv6-route:link-local-route-oif-name        string
| | | +--rw ipv6-route:ipv6-static-route-oif-vrf* [static-route-next-vrf-dest next-hop-
vrf static-route-oif-type static-route-oif-name]
| | | +--rw ipv6-route:static-route-next-vrf-dest       inet:ipv6-prefix
| | | +--rw ipv6-route:next-hop-vrf                     common-def:vrf-name
| | | +--rw ipv6-route:static-route-oif-type            enumeration
| | | +--rw ipv6-route:static-route-oif-name            string
| | +--rw ipv6-route:static
| | | +--rw ipv6-route:bfd
| | |   +--rw ipv6-route:bfd-ipv6-static-route* [bfd-ipv6-static-route-dest bfd-
ipv6-static-route-src]
| | | | +--rw ipv6-route:bfd-ipv6-static-route-dest     inet:ipv6-address
| | | | +--rw ipv6-route:bfd-ipv6-static-route-src       inet:ipv6-address
| | | | +--rw ipv6-route:bfd-ipv6-interval-attributes
| | | |   +--rw ipv6-route:interval?                    uint16
| | | |   +--rw ipv6-route:min-rx?                      uint16
| | | |   +--rw ipv6-route:multiplier?                 uint8
| | | | +--rw ipv6-route:bfd-ipv6-link-local-static-route* [bfd-ipv6-link-local-
dest bfd-ipv6-link-local-src bfd-interface-type bfd-interface-name]
| | | | | +--rw ipv6-route:bfd-ipv6-link-local-dest     inet:ipv6-address
| | | | | +--rw ipv6-route:bfd-ipv6-link-local-src       inet:ipv6-address

```

```

| | | | +--rw ipv6-route:bfd-interface-type enumeration
| | | | +--rw ipv6-route:bfd-interface-name string
| | | | +--rw ipv6-route:bfd-ipv6-interval-attributes
| | | | | +--rw ipv6-route:interval? uint16
| | | | | +--rw ipv6-route:min-rx? uint16
| | | | | +--rw ipv6-route:multiplier? uint8
| | | | +--rw ipv6-route:ipv6-holdover-interval? uint8
| | +--rw ipv6-route:next-hop-recursion? empty
| +--rw ipv6-route:import
| | +--rw ipv6-route:routes* [src-vrf route-map]
| | | +--rw ipv6-route:src-vrf common-def:vrf-name
| | | +--rw ipv6-route:route-map common-def:name-string63
| +--rw ipv6-route:subnet-zero
| | +--rw ipv6-route:drop? empty
| +--rw vrrpv3:proto-vrrpv3
| | +--rw vrrpv3:vrrp? empty
| | +--rw vrrpv3:vrrp-extended? empty
+--rw router
+--rw routing-system
  +--rw router
    +--rw bgp:router-bgp!
      | +--rw bgp:router-bgp-attributes
      | | +--rw bgp:local-as? local-as-type
      | | +--rw bgp:always-compare-med? empty
      | | +--rw bgp:compare-med-empty-aspath? empty
      | | +--rw bgp:med-missing-as-worst? empty
      | | +--rw bgp:as-path-ignore? empty
      | | +--rw bgp:compare-routerid? empty
      | | +--rw bgp:install-igp-cost? empty
      | | +--rw bgp:cluster-id
      | | | +--rw (bgp:ch-cluster-id)?
      | | | | +--:(bgp:ca-cluster-id)
      | | | | | +--rw bgp:cluster-id-value? decimal-number
      | | | | +--:(bgp:ca-cluster-id-ipv4-address)
      | | | | | +--rw bgp:cluster-id-ipv4-address? inet:ipv4-address
      | | | +--rw bgp:default-local-preference? local-preference-number
      | | | +--rw bgp:distance
      | | | | +--rw bgp:ext-route-distance? ext-route-distance
      | | | | +--rw bgp:int-route-distance? int-route-distance
      | | | | +--rw bgp:lcl-route-distance? lcl-route-distance
      | | | +--rw bgp:capability
      | | | | +--rw bgp:as4-enable? empty
      | | | +--rw bgp:peer-group
      | | | | +--rw bgp:capability
      | | | | | +--rw bgp:ipv6prefix-over-ipv4peer? empty
      | | | +--rw bgp:maxas-limit
      | | | | +--rw bgp:in
      | | | | | +--rw bgp:num-as-in-path? num-as-in-path
      | | | +--rw bgp:enforce-first-as? empty
      | | | +--rw bgp:fast-external-fallover? empty
      | | | +--rw bgp:timers
      | | | | +--rw bgp:keep-alive? nei-keep-alive
      | | | | +--rw bgp:hold-time? nei-hold-time
      | | | +--rw bgp:peer-dampening
      | | | | +--rw (bgp:peer-dampening-source)?
      | | | | | +--:(bgp:ca-peer-dampening-flag)
      | | | | | | +--rw bgp:peer-dampening-flag? empty
      | | | | | +--:(bgp:ca-peer-dampening-specify-values)
      | | | | | +--rw bgp:values
      | | | | | | +--rw bgp:delay-hold? nei-delay-hold
      | | | | | | +--rw bgp:penalty? nei-penalty
      | | | | | | +--rw bgp:max-penalty? nei-max-penalty
      | | | | | | +--rw bgp:stability-interval? nei-stability-interval
      | | | +--rw bgp:log-dampening-debug? empty

```

```

| | | +--rw bgp:confederation
| | | | +--rw bgp:identifier?   cidentifier
| | | | +--rw bgp:peers*       cidentifier
| | | +--rw bgp:bfd
| | | | +--rw bgp:holdover-interval?  bfd:bfd-holdover-interval
| | | | +--rw bgp:interval
| | | |   +--rw bgp:min-tx?          bfd-tx-interval-type
| | | |   +--rw bgp:min-rx?          bfd-rx-interval-type
| | | |   +--rw bgp:multiplier?      bfd-multiplier-type
| | | +--rw bgp:auto-shutdown-new-neighbors?  empty
| | | +--rw bgp:listen-limit?        listen-limit-type
| | | +--rw bgp:neighbor
| | | | +--rw bgp:peer-grps
| | | | | +--rw bgp:neighbor-peer-grp* [router-bgp-neighbor-peer-grp]
| | | | |   +--rw bgp:router-bgp-neighbor-peer-grp  bgp-peergroup
| | | | |   +--rw bgp:peer-group-name?              empty
| | | | |   +--rw bgp:remote-as?                    bgp-remote-as
| | | | |   +--rw bgp:alternate-as
| | | | |   | +--rw bgp:add?          bgp-alternate-as
| | | | |   | +--rw bgp:remove?      bgp-alternate-as
| | | | |   +--rw bgp:update-source
| | | | |   | +--rw (bgp:ch-update-source)?
| | | | |   |   +--:(bgp:ca-ipv4)
| | | | |   |   | +--rw bgp:sip-ipv4-address?  sip-ipv4-address
| | | | |   |   | +--rw bgp:sip-ipv6-address?  sip-ipv6-address
| | | | |   |   +--:(bgp:ca-eth)
| | | | |   |   | +--rw bgp:ethernet-interface
| | | | |   |   |   +--rw bgp:interface-type?  enumeration
| | | | |   |   |   +--rw bgp:interface-name?  update-source-ethernet-type
| | | | |   |   +--:(bgp:ca-port-channel)
| | | | |   |   | +--rw bgp:port-channel?      interface:portchannel-type
| | | | |   |   +--:(bgp:ca-loopback)
| | | | |   |   | +--rw bgp:loopback?          loopback-interface
| | | | |   |   +--:(bgp:ca-ve)
| | | | |   |   | +--rw bgp:ve-interface?      interface:ve-type
| | | | |   +--rw bgp:description?            neighbor-description
| | | | |   +--rw bgp:local-as
| | | | |   | +--rw bgp:local-as-value?  local-as-num
| | | | |   | +--rw bgp:no-prepend?      empty
| | | | |   +--rw bgp:next-hop-self
| | | | |   | +--rw (bgp:ch-next-hop-self-type)?
| | | | |   |   +--:(bgp:ca-next-hop-self-always)
| | | | |   |   | +--rw bgp:next-hop-self-always?  empty
| | | | |   |   +--:(bgp:ca-next-hop-self-status)
| | | | |   |   | +--rw bgp:next-hop-self-status?  empty
| | | | |   +--rw bgp:advertisement-interval
| | | | |   | +--rw bgp:value?          adv-value
| | | | |   +--rw bgp:ebgp-btsh?        empty
| | | | |   +--rw bgp:ebgp-multihop
| | | | |   | +--rw (bgp:ch-ebgp-multihop-type)?
| | | | |   |   +--:(bgp:ca-ebgp-multihop-flag)
| | | | |   |   | +--rw bgp:ebgp-multihop-flag?    empty
| | | | |   |   +--:(bgp:ca-ebgp-multihop-count)
| | | | |   |   | +--rw bgp:ebgp-multihop-count?  uint32
| | | | |   +--rw bgp:password?          bgp-password
| | | | |   +--rw bgp:enforce-first-as
| | | | |   | +--rw bgp:nei-enforce-first-as?      empty
| | | | |   | +--rw bgp:nei-enforce-first-as-disable?  empty
| | | | |   +--rw bgp:timers
| | | | |   | +--rw bgp:nei-keep-alive?  nei-keep-alive
| | | | |   | +--rw bgp:nei-hold-time?   nei-hold-time
| | | | |   +--rw bgp:peer-dampening
| | | | |   | +--rw (bgp:nei-peer-dampening-source)?
| | | | |   |   +--:(bgp:nei-ca-peer-dampening-flag)

```


		+++rw bgp:neighbor-route-map-name-direction-out?	
common-def:name-string64		+++rw bgp:route-reflector-client?	empty
		+++rw bgp:unsuppress-map	
		+++rw bgp:map-name? rmap-type	
		+++rw bgp:af-nei-weight?	nei-weight
		+++rw bgp:enable-peer-as-check?	empty
		+++rw bgp:announce-rpki-state?	empty
		+++rw bgp:additional-paths	
		+++rw bgp:addpath-disable? empty	
		+++rw bgp:addpath-txrx	
		+++rw bgp:addpath-send? empty	
		+++rw bgp:addpath-receive? empty	
		+++rw bgp:addpath-advertise	
		+++rw bgp:addpath-adv-best?	uint8
		+++rw bgp:addpath-adv-groupbest?	empty
		+++rw bgp:addpath-adv-all?	empty
		+++rw bgp:af-ipv4-neighbor-address-holder	
		+++rw bgp:af-ipv4-neighbor-address* [af-ipv4-neighbor-	
address]		+++rw bgp:af-ipv4-neighbor-address	inet:ipv4-address
		+++rw bgp:send-community	
		+++rw bgp:send-community-status?	empty
		+++rw bgp:all?	empty
		+++rw bgp:both?	empty
		+++rw bgp:extended?	empty
		+++rw bgp:standard?	empty
		+++rw bgp:large?	empty
		+++rw bgp:af-neighbor-capability	
		+++rw bgp:orf	
		+++rw bgp:prefixlist	
		+++rw bgp:prefixlist-status?	empty
		+++rw bgp:prefixlist-send?	empty
		+++rw bgp:prefixlist-receive?	empty
		+++rw bgp:activate?	empty
		+++rw bgp:allowas-in?	uint32
		+++rw bgp:filter-list	
		+++rw bgp:direction-in	
		+++rw bgp:filter-list-direction-in-acl-name?	ip-
filter-name		+++rw bgp:filter-list-name-direction-in?	empty
		+++rw bgp:direction-out	
		+++rw bgp:filter-list-direction-out-acl-name?	ip-
filter-name			
		+++rw bgp:filter-list-name-direction-out?	
empty		+++rw bgp:maximum-prefix	
		+++rw bgp:max-prefix-limit? max-prefix-limit	
		+++rw bgp:threshold-holder	
		+++rw bgp:threshold?	max-prefix-threshold
		+++rw bgp:teardown?	empty
		+++rw bgp:restart-interval? restart-interval-range	
		+++rw bgp:default-originate	
		+++rw bgp:default-originate-status?	empty
		+++rw bgp:default-originate-route-map?	rmap-type
		+++rw bgp:prefix-list	
		+++rw bgp:direction-in	
		+++rw bgp:prefix-list-direction-in-prefix-name?	
nei-prefix-list-filter		+++rw bgp:prefix-list-direction-in?	
empty		+++rw bgp:direction-out	
		+++rw bgp:prefix-list-direction-out-prefix-name?	
nei-prefix-list-filter			

							+++rw	bgp:multi-as?	empty	
							+++rw	bgp:always-propagate?	empty	
							+++rw	bgp:default-information-originate?	empty	
number							+++rw	bgp:rib-route-limit?	rib-route-	
							+++rw	bgp:client-to-client-reflection?	empty	
							+++rw	bgp:dampening		
							+++rw	(bgp:ch-dampening-source)?		
							+++rw	(bgp:ca-dampening-flag)		
							+++rw	bgp:dampening-flag?	empty	
							+++rw	(bgp:ca-dampening-specify-values)		
							+++rw	bgp:values		
							+++rw	bgp:half-time?	htime	
value							+++rw	bgp:reuse-value?	damp-reuse-value	
value							+++rw	bgp:start-suppress-time?	damp-start-suppress-	
							+++rw	bgp:max-suppress-time?	damp-max-suppress-	
							+++rw	(bgp:ca-dampening-route-map)		
							+++rw	bgp:dampening-route-map?	rmap-type	
metric-number							+++rw	bgp:default-metric?	default-	
							+++rw	bgp:next-hop-enable-default?	empty	
							+++rw	bgp:table-map		
							+++rw	bgp:table-map-route-map?	rmap-type	
type							+++rw	bgp:update-time?	update-time-	
							+++rw	bgp:flowspec		
							+++rw	bgp:ipv4-flowspec-default-vrf!		
							+++rw	bgp:default-vrf-selected?	empty	
							+++rw	bgp:client-to-client-reflection?	empty	
							+++rw	bgp:distribute?	common-def:name-string64	
							+++rw	bgp:rib-route-limit?	rib-route-number	
							+++rw	bgp:flowspec		
							+++rw	bgp:validation		
							+++rw	bgp:validation-flag?	empty	
							+++rw	bgp:redirect?	empty	
							+++rw	bgp:neighbor		
							+++rw	bgp:af-ipv4-neighbor-peergroup-holder		
peergroup-name]							+++rw	bgp:af-ipv4-neighbor-peergroup*	[af-ipv4-neighbor-	
							+++rw	bgp:af-ipv4-neighbor-peergroup-name	bgp-peergroup	
							+++rw	bgp:activate?	empty	
							+++rw	bgp:allowas-in?	uint32	
							+++rw	bgp:maximum-prefix		
							+++rw	bgp:max-prefix-limit?	max-prefix-limit	
							+++rw	bgp:threshold-holder		
							+++rw	bgp:threshold?	max-prefix-threshold	
							+++rw	bgp:teardown?	empty	
							+++rw	bgp:restart-interval?	restart-interval-range	
							+++rw	bgp:neighbor-route-map		
							+++rw	bgp:neighbor-route-map-direction-in		
common-def:name-string64							+++rw	bgp:neighbor-route-map-name-direction-in?		
							+++rw	bgp:neighbor-route-map-direction-out		
common-def:name-string64							+++rw	bgp:neighbor-route-map-name-direction-out?		
							+++rw	bgp:route-reflector-client?	empty	
							+++rw	bgp:af-nei-weight?	nei-weight	
							+++rw	bgp:flowspec		
							+++rw	bgp:validation		
							+++rw	bgp:validation-flag?	empty	
							+++rw	bgp:redirect?	empty	
							+++rw	bgp:redirect		

	+++rw bgp:prefix-list-direction-out-prefix-name?
nei-prefix-list-filter	
	+++rw bgp:prefix-list-direction-out?
empty	
	+++rw bgp:neighbor-route-map
	+++rw bgp:neighbor-route-map-direction-in
	+++rw bgp:neighbor-route-map-name-direction-in?
common-def:name-string64	
	+++rw bgp:neighbor-route-map-direction-out
	+++rw bgp:neighbor-route-map-name-direction-out?
common-def:name-string64	
	+++rw bgp:route-reflector-client? empty
	+++rw bgp:unsuppress-map
	+++rw bgp:map-name? rmap-type
	+++rw bgp:af-nei-weight? nei-weight
	+++rw bgp:enable-peer-as-check? empty
	+++rw bgp:announce-rpki-state? empty
	+++rw bgp:additional-paths
	+++rw bgp:addpath-disable? empty
	+++rw bgp:addpath-txrx
	+++rw bgp:addpath-send? empty
	+++rw bgp:addpath-receive? empty
	+++rw bgp:addpath-advertise
	+++rw bgp:addpath-adv-best? uint8
	+++rw bgp:addpath-adv-groupbest? empty
	+++rw bgp:addpath-adv-all? empty
	+++rw bgp:af-ipv6u-ipv4-attr-holder
	+++rw bgp:af-ipv6u-ipv4-neighbor* [af-ipv4-neighbor-address]
	+++rw bgp:af-ipv4-neighbor-address inet:ipv4-address
	+++rw bgp:activate? empty
	+++rw bgp:allowas-in? uint32
	+++rw bgp:af-neighbor-capability
	+++rw bgp:orf
	+++rw bgp:prefixlist
	+++rw bgp:prefixlist-status? empty
	+++rw bgp:prefixlist-send? empty
	+++rw bgp:prefixlist-receive? empty
	+++rw bgp:filter-list
	+++rw bgp:direction-in
	+++rw bgp:filter-list-direction-in-acl-name? ip-
filter-name	
	+++rw bgp:filter-list-name-direction-in? empty
	+++rw bgp:direction-out
	+++rw bgp:filter-list-direction-out-acl-name? ip-
filter-name	
	+++rw bgp:filter-list-name-direction-out?
empty	
	+++rw bgp:send-community
	+++rw bgp:send-community-status? empty
	+++rw bgp:all? empty
	+++rw bgp:both? empty
	+++rw bgp:extended? empty
	+++rw bgp:standard? empty
	+++rw bgp:large? empty
	+++rw bgp:maximum-prefix
	+++rw bgp:max-prefix-limit? max-prefix-limit
	+++rw bgp:threshold-holder
	+++rw bgp:threshold? max-prefix-threshold
	+++rw bgp:teardown? empty
	+++rw bgp:restart-interval? restart-interval-range
	+++rw bgp:default-originate
	+++rw bgp:default-originate-status? empty
	+++rw bgp:default-originate-route-map? rmap-type
	+++rw bgp:prefix-list


```

| | | | | | | | +--rw bgp:graceful-restart
| | | | | | | |   +--rw bgp:graceful-restart-status? empty
| | | | | | | |   +--rw bgp:restart-time? rtime-type
| | | | | | | |   +--rw bgp:purge-time? ptime-type
| | | | | | | |   +--rw bgp:stale-routes-time? st-time-type
| | | | | | | | +--rw bgp:ipv6-ucast-next-hop-recursion? empty
| | | | | | | | +--rw bgp:bestpath
| | | | | | | |   +--rw bgp:prefix-validation
| | | | | | | |     +--rw bgp:prefix-validation-disable? empty
| | | | | | | |     +--rw bgp:disable-invalid? empty
| | | | | | | | +--rw bgp:af-ipv6-vrf* [af-ipv6-vrf-name]
| | | | | | | |   +--rw bgp:af-ipv6-vrf-name string
| | | | | | | |   +--rw bgp:next-hop-recursion? empty
| | | | | | | |   +--rw bgp:bestpath
| | | | | | | |     +--rw bgp:prefix-validation
| | | | | | | |       +--rw bgp:prefix-validation-disable? empty
| | | | | | | |       +--rw bgp:disable-invalid? empty
| | | | | | | | +--rw bgp:graceful-restart-status? empty
| | | | | | | | +--rw bgp:af-ipv6-uc-and-vrf-cmds-call-point-holder
| | | | | | | |   +--rw bgp: redistribute-internal? empty
| | | | | | | |   +--rw bgp: redistribute
| | | | | | | |     +--rw bgp: bgp
| | | | | | | |       | +--rw bgp: redistribute- bgp? empty
| | | | | | | |       | +--rw bgp: bgp- metric? conn- metric
| | | | | | | |       | +--rw bgp: bgp- route- map? rmap- type
| | | | | | | |     +--rw bgp: connected
| | | | | | | |       | +--rw bgp: redistribute- connected? empty
| | | | | | | |       | +--rw bgp: unicast- metric? conn- metric
| | | | | | | |       | +--rw bgp: redistribute- route- map? rmap- type
| | | | | | | |     +--rw bgp: ospf
| | | | | | | |       | +--rw bgp: redistribute- ospf? empty
| | | | | | | |       | +--rw bgp: match
| | | | | | | |         | +--rw bgp: ospf- internal? empty
| | | | | | | |         | +--rw bgp: ospf- external1? empty
| | | | | | | |         | +--rw bgp: ospf- external2? empty
| | | | | | | |         | +--rw bgp: ospf- metric? conn- metric
| | | | | | | |         | +--rw bgp: ospf- route- map? rmap- type
| | | | | | | |     +--rw bgp: redistribute- isis!
| | | | | | | |       | +--rw bgp: redistribute- isis- route- map? common- def: name-
string63
| | | | | | | |         | +--rw (bgp: ch- isis- level)?
| | | | | | | |           | +--rw (bgp: ca- level- 1)
| | | | | | | |             | +--rw bgp: level- 1? empty
| | | | | | | |             | +--rw (bgp: ca- level- 2)
| | | | | | | |               | +--rw bgp: level- 2? empty
| | | | | | | |                 | +--rw (bgp: ca- level- 1- 2)
| | | | | | | |                   | +--rw bgp: level- 1- 2? empty
| | | | | | | |                     | +--rw bgp: redistribute- isis- metric? conn- metric
| | | | | | | |     +--rw bgp: static
| | | | | | | |       | +--rw bgp: redistribute- static? empty
| | | | | | | |       | +--rw bgp: unicast- static- metric? conn- metric
| | | | | | | |       | +--rw bgp: static- route- map? rmap- type
| | | | | | | | +--rw bgp: af- additional- paths
| | | | | | | |   +--rw bgp: addpath- txrx
| | | | | | | |     | +--rw bgp: addpath- send? empty
| | | | | | | |     | +--rw bgp: addpath- receive? empty
| | | | | | | |     +--rw bgp: addpath- select
| | | | | | | |       | +--rw bgp: addpath- sel- best? uint8
| | | | | | | |       | +--rw bgp: addpath- sel- groupbest? empty
| | | | | | | |       | +--rw bgp: addpath- sel- all? empty
| | | | | | | |     +--rw bgp: advertise- best- external? empty
| | | | | | | | +--rw bgp: aggregate- ipv6- address* [aggregate- ip- prefix]
| | | | | | | |   +--rw bgp: aggregate- ip- prefix inet: ipv6- prefix
| | | | | | | |   +--rw bgp: advertise- map? advertise- map

```


		+--rw bgp:neighbor-route-map-name-direction-in?
common-def:name-string64		+--rw bgp:neighbor-route-map-direction-out
		+--rw bgp:neighbor-route-map-name-direction-out?
common-def:name-string64		+--rw bgp:route-reflector-client? empty
		+--rw bgp:unsuppress-map
		+--rw bgp:map-name? rmap-type
		+--rw bgp:af-nei-weight? nei-weight
		+--rw bgp:enable-peer-as-check? empty
		+--rw bgp:announce-rpki-state? empty
		+--rw bgp:additional-paths
		+--rw bgp:addpath-disable? empty
		+--rw bgp:addpath-txrx
		+--rw bgp:addpath-send? empty
		+--rw bgp:addpath-receive? empty
		+--rw bgp:addpath-advertise
		+--rw bgp:addpath-adv-best? uint8
		+--rw bgp:addpath-adv-groupbest? empty
		+--rw bgp:addpath-adv-all? empty
		+--rw bgp:maxas-limit
		+--rw bgp:in
		+--rw (bgp:ch-maxas-limit)?
		+---:(bgp:ca-maxas-limit-enable)
		+--rw bgp:num-as-in-as-path? num-as-in-as-
path		+---:(bgp:ca-maxas-limit-disable)
		+--rw bgp:maxas-limit-disable? empty
		+--rw bgp:description? neighbor-
description		+--rw bgp:local-as
		+--rw bgp:local-as-value? local-as-num
		+--rw bgp:no-prepend? empty
		+--rw bgp:next-hop-self
		+--rw (bgp:ch-next-hop-self-type)?
		+---:(bgp:ca-next-hop-self-always)
		+--rw bgp:next-hop-self-always? empty
		+---:(bgp:ca-next-hop-self-status)
		+--rw bgp:next-hop-self-status? empty
		+--rw bgp:advertisement-interval
		+--rw bgp:value? adv-value
		+--rw bgp:ebgp-btsh? empty
		+--rw bgp:ebgp-multihop
		+--rw (bgp:ch-ebgp-multihop-type)?
		+---:(bgp:ca-ebgp-multihop-flag)
		+--rw bgp:ebgp-multihop-flag? empty
		+---:(bgp:ca-ebgp-multihop-count)
		+--rw bgp:ebgp-multihop-count? uint32
		+--rw bgp:password? bgp-password
		+--rw bgp:enforce-first-as
		+--rw bgp:nei-enforce-first-as? empty
		+--rw bgp:nei-enforce-first-as-disable? empty
		+--rw bgp:timers
		+--rw bgp:nei-keep-alive? nei-keep-alive
		+--rw bgp:nei-hold-time? nei-hold-time
		+--rw bgp:peer-dampening
		+--rw (bgp:nei-peer-dampening-source)?
		+---:(bgp:nei-ca-peer-dampening-flag)
		+--rw bgp:nei-peer-dampening-flag? empty
		+---:(bgp:nei-ca-peer-dampening-specify-values)
		+--rw bgp:values
		+--rw bgp:nei-delay-hold? nei-delay-
hold		+--rw bgp:nei-penalty? nei-

						+++rw bgp:default-information-originate?		empty
						+++rw bgp:rib-route-limit?		rib-route-
number						+++rw bgp:client-to-client-reflection?		empty
						+++rw bgp:dampening		
						+++rw (bgp:ch-dampening-source)?		
						+++: (bgp:ca-dampening-flag)		
						+++rw bgp:dampening-flag?	empty	
						+++: (bgp:ca-dampening-specify-values)		
						+++rw bgp:values		
						+++rw bgp:half-time?	htime	
						+++rw bgp:reuse-value?	damp-reuse-value	
value						+++rw bgp:start-suppress-time?	damp-start-suppress-	
value						+++rw bgp:max-suppress-time?	damp-max-suppress-	
						+++: (bgp:ca-dampening-route-map)		
						+++rw bgp:dampening-route-map?	rmap-type	
						+++rw bgp:default-metric?		default-
metric-number						+++rw bgp:next-hop-enable-default?		empty
						+++rw bgp:table-map		
						+++rw bgp:table-map-route-map?	rmap-type	
						+++rw bgp:update-time?		update-time-
type						+++rw bgp:flowspec		
						+++rw bgp:ipv6-flowspec-default-vrf!		
						+++rw bgp:default-vrf-selected?	empty	
						+++rw bgp:client-to-client-reflection?	empty	
						+++rw bgp:distribute?	common-def:name-string64	
						+++rw bgp:rib-route-limit?	rib-route-number	
						+++rw bgp:flowspec		
						+++rw bgp:validation		
						+++rw bgp:validation-flag?	empty	
						+++rw bgp:redirect?	empty	
						+++rw bgp:neighbor		
						+++rw bgp:af-ipv6-neighbor-peergroup-holder		
						+++rw bgp:af-ipv6-neighbor-peergroup* [af-ipv6-neighbor-		
peergroup-name]						+++rw bgp:af-ipv6-neighbor-peergroup-name	bgp-peergroup	
						+++rw bgp:activate?	empty	
						+++rw bgp:allowas-in?	uint32	
						+++rw bgp:maximum-prefix		
						+++rw bgp:max-prefix-limit?	max-prefix-limit	
						+++rw bgp:threshold-holder		
						+++rw bgp:threshold?	max-prefix-threshold	
						+++rw bgp:teardown?	empty	
						+++rw bgp:restart-interval?	restart-interval-range	
						+++rw bgp:neighbor-route-map		
						+++rw bgp:neighbor-route-map-direction-in		
						+++rw bgp:neighbor-route-map-name-direction-in?		
common-def:name-string64						+++rw bgp:neighbor-route-map-direction-out		
						+++rw bgp:neighbor-route-map-name-direction-out?		
common-def:name-string64						+++rw bgp:route-reflector-client?	empty	
						+++rw bgp:af-nei-weight?	nei-weight	
						+++rw bgp:flowspec		
						+++rw bgp:validation		
						+++rw bgp:validation-flag?	empty	
						+++rw bgp:redirect?	empty	
						+++rw bgp:redirect		
						+++rw bgp:next-hop		
						+++rw bgp:next-hop-type?	enumeration	


```

| | | | | | +--rw bgp:allowas-in? uint32
| | | | | | +--rw bgp:next-hop-unchanged? empty
| | | | | | +--rw bgp:enable-peer-as-check? empty
| | | | | | +--rw bgp:route-map
| | | | | | | +--rw bgp:direction-in
| | | | | | | | +--rw bgp:route-map-name-direction-in? common-def:name-
string64
| | | | | | | | +--rw bgp:direction-out
| | | | | | | | +--rw bgp:route-map-name-direction-out? common-def:name-
string64
| | | | | | +--rw bgp:activate? empty
| | | | | | +--rw bgp:send-community
| | | | | | | +--rw bgp:send-community-status? empty
| | | | | | | +--rw bgp:both? empty
| | | | | | | +--rw bgp:extended? empty
| | | | | | | +--rw bgp:standard? empty
| | | | | | +--rw bgp:evpn-neighbor-ipv6* [evpn-neighbor-ipv6-address]
| | | | | | | +--rw bgp:evpn-neighbor-ipv6-address inet:ipv6-address
| | | | | | | +--rw bgp:encapsulation? encapsulation-t
| | | | | | | +--rw bgp:maximum-prefix? max-prefix-limit
| | | | | | | +--rw bgp:route-reflector-client? empty
| | | | | | | +--rw bgp:allowas-in? uint32
| | | | | | | +--rw bgp:next-hop-unchanged? empty
| | | | | | | +--rw bgp:enable-peer-as-check? empty
| | | | | | | +--rw bgp:route-map
| | | | | | | | +--rw bgp:direction-in
| | | | | | | | | +--rw bgp:route-map-name-direction-in? common-def:name-
string64
| | | | | | | | +--rw bgp:direction-out
| | | | | | | | | +--rw bgp:route-map-name-direction-out? common-def:name-
string64
| | | | | | | +--rw bgp:activate? empty
| | | | | | | +--rw bgp:send-community
| | | | | | | | +--rw bgp:send-community-status? empty
| | | | | | | | +--rw bgp:both? empty
| | | | | | | | +--rw bgp:extended? empty
| | | | | | | | +--rw bgp:standard? empty
| | | | | | +--rw bgp:vpn4
| | | | | | | +--rw bgp:vpn4-unicast!
| | | | | | | | +--rw bgp:rr-group? rr-group-type
| | | | | | | | +--rw bgp:export-vrf-leaked-routes? empty
| | | | | | | | +--rw bgp:af-vpn-neighbor-peergroup-holder
| | | | | | | | | +--rw bgp:af-vpn-neighbor-peergroup* [af-vpn-neighbor-peergroup-
address]
| | | | | | | | +--rw bgp:af-vpn-neighbor-peergroup-address bgp-peergroup
| | | | | | | | +--rw bgp:af-neighbor-capability
| | | | | | | | | +--rw bgp:orf
| | | | | | | | | +--rw bgp:prefix-list
| | | | | | | | | | +--rw bgp:prefixlist-status? empty
| | | | | | | | | | +--rw bgp:prefixlist-send? empty
| | | | | | | | | | +--rw bgp:prefixlist-receive? empty
| | | | | | | | | +--rw bgp:extended-community
| | | | | | | | | | +--rw bgp:ext-community-receive? empty
| | | | | | | | | | +--rw bgp:ext-community-send-vrf? empty
| | | | | | | | +--rw bgp:send-community
| | | | | | | | | +--rw bgp:send-community-status? empty
| | | | | | | | | +--rw bgp:all? empty
| | | | | | | | | +--rw bgp:both? empty
| | | | | | | | | +--rw bgp:extended? empty
| | | | | | | | | +--rw bgp:standard? empty
| | | | | | | | | +--rw bgp:large? empty
| | | | | | | | +--rw bgp:activate? empty
| | | | | | | | +--rw bgp:weight? nei-weight
| | | | | | | | +--rw bgp:route-reflector-client? empty

```

```

| | | | | | +--rw bgp:neighbor-route-map
| | | | | | | +--rw bgp:neighbor-route-map-direction-in
| | | | | | | | +--rw bgp:neighbor-route-map-name-direction-in? common-
def:name-string64
| | | | | | | +--rw bgp:neighbor-route-map-direction-out
| | | | | | | | +--rw bgp:neighbor-route-map-name-direction-out? common-
def:name-string64
| | | | | | +--rw bgp:prefix-list
| | | | | | | +--rw bgp:direction-in
| | | | | | | | +--rw bgp:prefix-list-direction-in-prefix-name? nei-
prefix-list-filter
| | | | | | | | +--rw bgp:prefix-list-direction-in? empty
| | | | | | | | +--rw bgp:direction-out
| | | | | | | | | +--rw bgp:prefix-list-direction-out-prefix-name? nei-
prefix-list-filter
| | | | | | | | | +--rw bgp:prefix-list-direction-out? empty
| | | | | | +--rw bgp:filter-list
| | | | | | | +--rw bgp:direction-in
| | | | | | | | +--rw bgp:filter-list-direction-in-acl-name? ip-filter-
name
| | | | | | | | +--rw bgp:filter-list-name-direction-in? empty
| | | | | | | | +--rw bgp:direction-out
| | | | | | | | | +--rw bgp:filter-list-direction-out-acl-name? ip-filter-
name
| | | | | | | | | +--rw bgp:filter-list-name-direction-out? empty
| | | | | | +--rw bgp:af-vpnv4-neighbor-address-holder
| | | | | | | +--rw bgp:af-vpnv4-neighbor* [af-vpnv4-neighbor-address]
| | | | | | | | +--rw bgp:af-vpnv4-neighbor-address inet:ipv4-address
| | | | | | | | +--rw bgp:af-neighbor-capability
| | | | | | | | | +--rw bgp:orf
| | | | | | | | | +--rw bgp:prefix-list
| | | | | | | | | | +--rw bgp:prefixlist-status? empty
| | | | | | | | | | +--rw bgp:prefixlist-send? empty
| | | | | | | | | | +--rw bgp:prefixlist-receive? empty
| | | | | | | | | +--rw bgp:extended-community
| | | | | | | | | | | +--rw bgp:ext-community-receive? empty
| | | | | | | | | | | +--rw bgp:ext-community-send-vrf? empty
| | | | | | +--rw bgp:send-community
| | | | | | | +--rw bgp:send-community-status? empty
| | | | | | | +--rw bgp:all? empty
| | | | | | | +--rw bgp:both? empty
| | | | | | | +--rw bgp:extended? empty
| | | | | | | +--rw bgp:standard? empty
| | | | | | | +--rw bgp:large? empty
| | | | | | | +--rw bgp:activate? empty
| | | | | | | +--rw bgp:weight? nei-weight
| | | | | | | +--rw bgp:route-reflector-client? empty
| | | | | | +--rw bgp:neighbor-route-map
| | | | | | | +--rw bgp:neighbor-route-map-direction-in
| | | | | | | | +--rw bgp:neighbor-route-map-name-direction-in? common-
def:name-string64
| | | | | | | | +--rw bgp:neighbor-route-map-direction-out
| | | | | | | | | +--rw bgp:neighbor-route-map-name-direction-out? common-
def:name-string64
| | | | | | +--rw bgp:prefix-list
| | | | | | | +--rw bgp:direction-in
| | | | | | | | +--rw bgp:prefix-list-direction-in-prefix-name? nei-
prefix-list-filter
| | | | | | | | +--rw bgp:prefix-list-direction-in? empty
| | | | | | | | +--rw bgp:direction-out
| | | | | | | | | +--rw bgp:prefix-list-direction-out-prefix-name? nei-
prefix-list-filter
| | | | | | | | | +--rw bgp:prefix-list-direction-out? empty
| | | | | | +--rw bgp:filter-list

```

					+++rw bgp:direction-in	
name					+++rw bgp:filter-list-direction-in-acl-name?	ip-filter-
					+++rw bgp:filter-list-name-direction-in?	empty
					+++rw bgp:direction-out	
name					+++rw bgp:filter-list-direction-out-acl-name?	ip-filter-
					+++rw bgp:filter-list-name-direction-out?	empty
					+++rw bgp:import	
					+++rw bgp:l2vpn	
					+++rw bgp:evpn	
					+++rw bgp:vpn4-evpn-reoriginate?	empty
					+++rw bgp:vpn4-evpn-uniform-path-propagation?	empty
				+++rw bgp:vpn6		
				+++rw bgp:vpn6-unicast!		
				+++rw bgp:rr-group?	rr-group-type	
				+++rw bgp:export-vrf-leaked-routes?	empty	
				+++rw bgp:af-vpn-neighbor-peergroup-holder		
				+++rw bgp:af-vpn-neighbor-peergroup* [af-vpn-neighbor-peergroup-		
address]						
					+++rw bgp:af-vpn-neighbor-peergroup-address	bgp-peergroup
					+++rw bgp:af-neighbor-capability	
					+++rw bgp:orf	
					+++rw bgp:prefix-list	
					+++rw bgp:prefixlist-status?	empty
					+++rw bgp:prefixlist-send?	empty
					+++rw bgp:prefixlist-receive?	empty
					+++rw bgp:extended-community	
					+++rw bgp:ext-community-receive?	empty
					+++rw bgp:ext-community-send-vrf?	empty
					+++rw bgp:send-community	
					+++rw bgp:send-community-status?	empty
					+++rw bgp:all?	empty
					+++rw bgp:both?	empty
					+++rw bgp:extended?	empty
					+++rw bgp:standard?	empty
					+++rw bgp:large?	empty
					+++rw bgp:activate?	empty
					+++rw bgp:weight?	nei-weight
					+++rw bgp:route-reflector-client?	empty
					+++rw bgp:neighbor-route-map	
					+++rw bgp:neighbor-route-map-direction-in	
					+++rw bgp:neighbor-route-map-name-direction-in?	common-
def:name-string64						
					+++rw bgp:neighbor-route-map-direction-out	
					+++rw bgp:neighbor-route-map-name-direction-out?	common-
def:name-string64						
					+++rw bgp:prefix-list	
					+++rw bgp:direction-in	
					+++rw bgp:prefix-list-direction-in-prefix-name?	nei-
prefix-list-filter						
					+++rw bgp:prefix-list-direction-in?	empty
					+++rw bgp:direction-out	
					+++rw bgp:prefix-list-direction-out-prefix-name?	nei-
prefix-list-filter						
					+++rw bgp:prefix-list-direction-out?	empty
					+++rw bgp:filter-list	
					+++rw bgp:direction-in	
					+++rw bgp:filter-list-direction-in-acl-name?	ip-filter-
name						
					+++rw bgp:filter-list-name-direction-in?	empty
					+++rw bgp:direction-out	
					+++rw bgp:filter-list-direction-out-acl-name?	ip-filter-
name						

```

| | | | | +--rw bgp:filter-list-name-direction-out? empty
| | | | +--rw bgp:af-vpnv6-neighbor-address-holder
| | | | | +--rw bgp:af-vpnv6-neighbor* [af-vpnv6-neighbor-address]
| | | | | +--rw bgp:af-vpnv6-neighbor-address inet:ipv4-address
| | | | | +--rw bgp:af-neighbor-capability
| | | | | | +--rw bgp:orf
| | | | | | +--rw bgp:prefix-list
| | | | | | | +--rw bgp:prefixlist-status? empty
| | | | | | | +--rw bgp:prefixlist-send? empty
| | | | | | | +--rw bgp:prefixlist-receive? empty
| | | | | | +--rw bgp:extended-community
| | | | | | | +--rw bgp:ext-community-receive? empty
| | | | | | | +--rw bgp:ext-community-send-vrf? empty
| | | | | +--rw bgp:send-community
| | | | | | +--rw bgp:send-community-status? empty
| | | | | | +--rw bgp:all? empty
| | | | | | +--rw bgp:both? empty
| | | | | | +--rw bgp:extended? empty
| | | | | | +--rw bgp:standard? empty
| | | | | | +--rw bgp:large? empty
| | | | | +--rw bgp:activate? empty
| | | | | +--rw bgp:weight? nei-weight
| | | | | +--rw bgp:route-reflector-client? empty
| | | | | +--rw bgp:neighbor-route-map
| | | | | | +--rw bgp:neighbor-route-map-direction-in
| | | | | | | +--rw bgp:neighbor-route-map-name-direction-in? common-
def:name-string64
| | | | | | +--rw bgp:neighbor-route-map-direction-out
| | | | | | | +--rw bgp:neighbor-route-map-name-direction-out? common-
def:name-string64
| | | | | +--rw bgp:prefix-list
| | | | | | +--rw bgp:direction-in
| | | | | | | +--rw bgp:prefix-list-direction-in-prefix-name? nei-
prefix-list-filter
| | | | | | | +--rw bgp:prefix-list-direction-in? empty
| | | | | | | +--rw bgp:direction-out
| | | | | | | +--rw bgp:prefix-list-direction-out-prefix-name? nei-
prefix-list-filter
| | | | | | | +--rw bgp:prefix-list-direction-out? empty
| | | | | | +--rw bgp:filter-list
| | | | | | | +--rw bgp:direction-in
| | | | | | | | +--rw bgp:filter-list-direction-in-acl-name? ip-filter-
name
| | | | | | | | +--rw bgp:filter-list-name-direction-in? empty
| | | | | | | | +--rw bgp:direction-out
| | | | | | | | +--rw bgp:filter-list-direction-out-acl-name? ip-filter-
name
| | | | | | | | +--rw bgp:filter-list-name-direction-out? empty
| | | | | +--rw bgp:import
| | | | | +--rw bgp:l2vpn
| | | | | +--rw bgp:evpn
| | | | | | +--rw bgp:vpnv6-evpn-reoriginate? empty
| | +--rw bgp:rpki
| | | +--rw bgp:rpki-priority* [priority-num]
| | | +--rw bgp:priority-num rpki-priority-num
| | | +--rw bgp:server
| | | | +--rw bgp:rpki-ssh-server
| | | | | +--rw bgp:rpki-cache-ssh-server-name
| | | | | | +--rw bgp:ssh-server-name* [rpki-ssh-server-name]
| | | | | | +--rw bgp:rpki-ssh-server-name bgp-peergroup
| | | | | | +--rw bgp:rpki-ssh-server-port
| | | | | | | +--rw bgp:rpki-ssh-server-port? uint32
| | | | | | | +--rw bgp:rpki-ssh-server-username? string
| | | | | | | +--rw bgp:rpki-ssh-server-password-file? string

```

```

| | | | +--rw bgp:rpki-cache-ssh-server-ip
| | | | | +--rw bgp:ssh-server-ip* [rpki-ssh-server-ip]
| | | | | | +--rw bgp:rpki-ssh-server-ip inet:ipv4-address
| | | | | | +--rw bgp:rpki-ssh-server-port
| | | | | | | +--rw bgp:rpki-ssh-server-port? uint32
| | | | | | | +--rw bgp:rpki-ssh-server-username? string
| | | | | | | +--rw bgp:rpki-ssh-server-password-file? string
| | | | | +--rw bgp:rpki-cache-ssh-server-ipv6
| | | | | | +--rw bgp:ssh-server-ipv6* [rpki-ssh-server-ipv6]
| | | | | | | +--rw bgp:rpki-ssh-server-ipv6 inet:ipv6-address
| | | | | | | +--rw bgp:rpki-ssh-server-port
| | | | | | | | +--rw bgp:rpki-ssh-server-port? uint32
| | | | | | | | +--rw bgp:rpki-ssh-server-username? string
| | | | | | | | +--rw bgp:rpki-ssh-server-password-file? string
| | | | +--rw bgp:rpki-tcp-server
| | | | | +--rw bgp:rpki-cache-tcp-server-name
| | | | | | +--rw bgp:tcp-server-name* [rpki-tcp-server-name]
| | | | | | | +--rw bgp:rpki-tcp-server-name bgp-peer-group
| | | | | | | +--rw bgp:rpki-tcp-server-port? uint32
| | | | | +--rw bgp:rpki-cache-tcp-server-ip
| | | | | | +--rw bgp:tcp-server-ip* [rpki-tcp-server-ip]
| | | | | | | +--rw bgp:rpki-tcp-server-ip inet:ipv4-address
| | | | | | | +--rw bgp:rpki-tcp-server-port? uint32
| | | | | | +--rw bgp:rpki-cache-tcp-server-ipv6
| | | | | | | +--rw bgp:tcp-server-ipv6* [rpki-tcp-server-ipv6]
| | | | | | | +--rw bgp:rpki-tcp-server-ipv6 inet:ipv6-address
| | | | | | | +--rw bgp:rpki-tcp-server-port? uint32
| +--rw isis:isis!
| | +--rw isis:router-isis-cmds-holder
| | | +--rw isis:net* [net-cmd]
| | | | +--rw isis:net-cmd net-type
| | | +--rw isis:router-isis-attributes
| | | | +--rw isis:auth-check
| | | | | +--rw isis:auth-check-level1
| | | | | | | +--rw isis:auth-check-level1-disable? empty
| | | | | | | +--rw isis:auth-check-level2
| | | | | | | | +--rw isis:auth-check-level2-disable? empty
| | | | | +--rw isis:auth-mode
| | | | | | +--rw isis:md5
| | | | | | | +--rw isis:auth-mode-md5-level1? empty
| | | | | | | +--rw isis:auth-mode-md5-level2? empty
| | | | | +--rw isis:auth-key
| | | | | | +--rw isis:auth-key-level1-str? string
| | | | | | +--rw isis:auth-key-level2-str? string
| | | | +--rw isis:bfd
| | | | | +--rw isis:bfd-global-enable? empty
| | | | | | +--rw isis:bfd-holdover-interval? uint16
| | | | +--rw isis:csnp-interval? uint32
| | | | +--rw isis:disable-inc-stct-spf-opt? empty
| | | | +--rw isis:disable-incremental-spf-opt? empty
| | | | +--rw isis:disable-partial-spf-opt? empty
| | | | +--rw isis:fast-flood!
| | | | | +--rw isis:fast-flood-value? uint32
| | | | +--rw isis:graceful-restart
| | | | | +--rw isis:gr-helper-disable? empty
| | | | +--rw isis:hello
| | | | | +--rw isis:padding
| | | | | | +--rw isis:hello-padding-point-to-point
| | | | | | | +--rw isis:hello-padding-ptp-disable? empty
| | | | | | | +--rw isis:hello-padding-disable? empty
| | | | +--rw isis:hostname
| | | | | +--rw isis:hostname-disable? empty
| | | | +--rw isis:is-type? enumeration
| | | | +--rw isis:log

```

```

| | | | +--rw isis:adjacency?          empty
| | | | +--rw isis:invalid-lsp-packets? empty
| | | | +--rw isis:lsp-gen-interval?    uint32
| | | | +--rw isis:lsp-interval?        uint32
| | | | +--rw isis:lsp-refresh-interval? uint32
| | | | +--rw isis:max-lsp-lifetime?    uint32
| | | | +--rw isis:nonstop-routing?     empty
| | | | +--rw isis:partial-spf-interval
| | | | | +--rw isis:pspf-max-hold-time? uint32
| | | | | +--rw isis:pspf-init-delay?   uint32
| | | | | +--rw isis:pspf-hold-time?    uint32
| | | | +--rw isis:retransmit-interval? uint32
| | | | +--rw isis:set-debug
| | | | | +--rw isis:nsr? empty
| | | | +--rw isis:set-overload-bit!
| | | | | +--rw isis:on-startup
| | | | | | +--rw (isis:ch-on-startup)?
| | | | | | | +--:(isis:ca-on-startup)
| | | | | | | | +--rw isis:on-startup-overloadtime? uint32
| | | | | | | +--:(isis:ca-on-startup-wfbbgp)
| | | | | | | | +--rw isis:wait-for-bgp!
| | | | | | | | | +--rw isis:wait-for-bgp-value? uint32
| | | | +--rw isis:spf-interval* [spf-interval-level]
| | | | | +--rw isis:spf-interval-level enumeration
| | | | | +--rw isis:spf-interval-max-hold-time? uint32
| | | | | +--rw isis:spf-interval-initial-delay? uint32
| | | | | +--rw isis:spf-interval-hold-time?    uint32
| | | | +--rw isis:reverse-metric!
| | | | | +--rw isis:reverse_metric_tlv
| | | | | | +--rw isis:rev-metric-tlv-type? uint16
| | | | | +--rw isis:rev-metric-common-attributes
| | | | | | +--rw isis:rev-metric-val?    uint32
| | | | | | +--rw isis:rev-metric-whole-lan? empty
| | | | | | +--rw isis:rev-metric-te-def-metric? empty
| | | +--rw isis:address-family
| | | | +--rw isis:ipv4
| | | | | +--rw isis:af-ipv4-unicast!
| | | | | +--rw isis:af-ipv4-attributes
| | | | | | +--rw isis:metric-style
| | | | | | | +--rw isis:wide
| | | | | | | | +--rw isis:metric-style-wide-level1? empty
| | | | | | | | +--rw isis:metric-style-wide-level2? empty
| | | | | | +--rw isis:summary-address* [summary-ip summary-ip-mask]
| | | | | | | +--rw isis:summary-ip          inet:ipv4-address
| | | | | | | +--rw isis:summary-ip-mask    inet:ipv4-address
| | | | | | | +--rw isis:summary-ip-level1? empty
| | | | | | | +--rw isis:summary-ip-level2? empty
| | | | | | +--rw isis:ldp-sync!
| | | | | | | +--rw isis:ldp-sync-hold-down? uint32
| | | | | | +--rw isis:default-link-metric
| | | | | | | +--rw isis:default-link-metric-level1? uint32
| | | | | | | +--rw isis:default-link-metric-level2? uint32
| | | | | | +--rw isis:segment-routing
| | | | | | | +--rw isis:segment-routing-level1!
| | | | | | | | +--rw isis:srgb
| | | | | | | | | +--rw isis:level1-srgb-lower-bound? uint32
| | | | | | | | | +--rw isis:level1-srgb-upper-bound? uint32
| | | | | | | | +--rw isis:segment-routing-level2!
| | | | | | | | | +--rw isis:srgb
| | | | | | | | | +--rw isis:level2-srgb-lower-bound? uint32
| | | | | | | | | +--rw isis:level2-srgb-upper-bound? uint32
| | | | | | +--rw isis:af-common-attributes
| | | | | | | +--rw isis:default-information-originate!
| | | | | | | | +--rw isis:default-information-originate-route-map?

```

```

string
| | | |
| | | | +--rw isis:default-metric?          uint32
| | | | +--rw isis:distance?              uint32
| | | | +--rw isis:maximum-paths?        uint32
| | | | +--rw isis:redistribute
| | | |   +--rw isis:connected!
| | | |     +--rw isis:connected-metric?  conn-metric
| | | |     +--rw isis:connected-route-map? rmap-type
| | | |     +--rw (isis:ch-connected-levels)?
| | | |       +--:(isis:ca-connected-level1)
| | | |         | | | +--rw isis:connected-level1?  empty
| | | |         | | | +--:(isis:ca-connected-level2)
| | | |         | | | +--rw isis:connected-level2?  empty
| | | |         | | | +--:(isis:ca-connected-level12)
| | | |         | | | +--rw isis:connected-level12? empty
| | | |         | | | +--rw isis:connected-level12? empty
| | | |         | | | +--rw isis:connected-metric-type? is-metric-type-t
| | | |         +--rw isis:connected-metric-type?  is-metric-type-t
| | | | +--rw isis:ospf!
| | | |   +--rw isis:match
| | | |     +--rw isis:ospf-internal?      empty
| | | |     +--rw isis:ospf-external1?    empty
| | | |     +--rw isis:ospf-external2?    empty
| | | |     +--rw isis:ospf-metric?       conn-metric
| | | |     +--rw isis:ospf-route-map?    rmap-type
| | | |     +--rw (isis:ch-ospf-levels)?
| | | |       +--:(isis:ca-ospf-level1)
| | | |         | | | +--rw isis:ospf-level1?      empty
| | | |         | | | +--:(isis:ca-ospf-level2)
| | | |         | | | +--rw isis:ospf-level2?      empty
| | | |         | | | +--:(isis:ca-ospf-level12)
| | | |         | | | +--rw isis:ospf-level12?     empty
| | | |         | | | +--rw isis:ospf-level12?     empty
| | | |         | | | +--rw isis:ospf-level12?     empty
| | | |         | | | +--rw isis:ospf-metric-type?  is-metric-type-t
| | | |         +--rw isis:ospf-metric-type?  is-metric-type-t
| | | | +--rw isis:static!
| | | |   +--rw isis:static-metric?        conn-metric
| | | |   +--rw isis:static-route-map?    rmap-type
| | | |   +--rw (isis:ch-static-levels)?
| | | |     +--:(isis:ca-static-level1)
| | | |       | | | +--rw isis:static-level1?      empty
| | | |       | | | +--:(isis:ca-static-level2)
| | | |       | | | +--rw isis:static-level2?      empty
| | | |       | | | +--:(isis:ca-static-level12)
| | | |       | | | +--rw isis:static-level12?     empty
| | | |       | | | +--rw isis:static-level12?     empty
| | | |       | | | +--rw isis:static-level12?     empty
| | | |       +--rw isis:static-metric-type?  is-metric-type-t
| | | | +--rw isis:bgp!
| | | |   +--rw isis:bgp-metric?          conn-metric
| | | |   +--rw isis:bgp-route-map?      common-def:name-
string63
| | | |   +--rw (isis:ch-bgp-levels)?
| | | |     +--:(isis:ca-bgp-level1)
| | | |       | | | +--rw isis:bgp-level1?      empty
| | | |       | | | +--:(isis:ca-bgp-level2)
| | | |       | | | +--rw isis:bgp-level2?      empty
| | | |       | | | +--:(isis:ca-bgp-level12)
| | | |       | | | +--rw isis:bgp-level12?     empty
| | | |       | | | +--rw isis:bgp-level12?     empty
| | | |       +--rw isis:bgp-metric-type?    is-metric-type-t
| | | | +--rw isis:isis
| | | |   +--rw isis:level-1
| | | |     +--rw isis:into
| | | |       +--rw isis:level1-into-level2
| | | |         +--rw (isis:ch-prefix-list-level1-disable)?
| | | |           +--:(isis:ca-prefix-list-level1)
| | | |           | +--rw isis:prefix-list-
level1?          string
| | | |           +--:(isis:ca-level1-into-level2-disable)
| | | |           +--rw isis:level1-into-level2-

```

```

disable?  empty
| | | |
| | | | +--rw isis:level-2
| | | | +--rw isis:into
| | | | +--rw isis:level2-into-level1!
| | | | +--rw isis:prefix-list-level2?  string
| | | +--rw isis:ipv6
| | |   +--rw isis:af-ipv6-unicast!
| | |   +--rw isis:af-ipv6-attributes
| | |   +--rw isis:disable-adjacency-check?  empty
| | |   +--rw isis:summary-prefix* [summary-prefix-ipv6]
| | |   | +--rw isis:summary-prefix-ipv6  common-def:ipv6-address-
prefix
| | |   | +--rw isis:summary-prefix-level1?  empty
| | |   | +--rw isis:summary-prefix-level2?  empty
| | |   +--rw isis:ipv6-default-link-metric
| | |   | +--rw isis:ipv6-default-link-metric-level1?  uint32
| | |   | +--rw isis:ipv6-default-link-metric-level2?  uint32
| | |   +--rw isis:multi-topology!
| | |   | +--rw isis:multi-topology-transition?  empty
| | |   +--rw isis:spf6-interval* [spf6-interval-level]
| | |   | +--rw isis:spf6-interval-level  enumeration
| | |   | +--rw isis:spf6-interval-max-hold-time?  uint32
| | |   | +--rw isis:spf6-interval-initial-delay?  uint32
| | |   | +--rw isis:spf6-interval-hold-time?  uint32
| | |   +--rw isis:partial6-spf-interval
| | |   | +--rw isis:pspf6-max-hold-time?  uint32
| | |   | +--rw isis:pspf6-init-delay?  uint32
| | |   | +--rw isis:pspf6-hold-time?  uint32
| | |   +--rw isis:af-common-attributes
| | |   +--rw isis:default-information-originate!
| | |   | +--rw isis:default-information-originate-route-map?
string
| | |   +--rw isis:default-metric?  uint32
| | |   +--rw isis:distance?  uint32
| | |   +--rw isis:maximum-paths?  uint32
| | |   +--rw isis:redistribute
| | |   | +--rw isis:connected!
| | |   | | +--rw isis:connected-metric?  conn-metric
| | |   | | +--rw isis:connected-route-map?  rmap-type
| | |   | | +--rw (isis:ch-connected-levels)?
| | |   | | | +--:(isis:ca-connected-level1)
| | |   | | | | +--rw isis:connected-level1?  empty
| | |   | | | +--:(isis:ca-connected-level2)
| | |   | | | | +--rw isis:connected-level2?  empty
| | |   | | | +--:(isis:ca-connected-level12)
| | |   | | | | +--rw isis:connected-level12?  empty
| | |   | | +--rw isis:connected-metric-type?  is-metric-type-t
| | |   +--rw isis:ospf!
| | |   | +--rw isis:match
| | |   | | +--rw isis:ospf-internal?  empty
| | |   | | +--rw isis:ospf-external1?  empty
| | |   | | +--rw isis:ospf-external2?  empty
| | |   | | +--rw isis:ospf-metric?  conn-metric
| | |   | | +--rw isis:ospf-route-map?  rmap-type
| | |   | | +--rw (isis:ch-ospf-levels)?
| | |   | | | +--:(isis:ca-ospf-level1)
| | |   | | | | +--rw isis:ospf-level1?  empty
| | |   | | | +--:(isis:ca-ospf-level2)
| | |   | | | | +--rw isis:ospf-level2?  empty
| | |   | | | +--:(isis:ca-ospf-level12)
| | |   | | | | +--rw isis:ospf-level12?  empty
| | |   | | +--rw isis:ospf-metric-type?  is-metric-type-t
| | |   +--rw isis:static!
| | |   | +--rw isis:static-metric?  conn-metric

```

```

| | | | +--rw isis:static-route-map? rmap-type
| | | | +--rw (isis:ch-static-levels)?
| | | | | +--:(isis:ca-static-level1)
| | | | | | +--rw isis:static-level1? empty
| | | | | | +--:(isis:ca-static-level2)
| | | | | | | +--rw isis:static-level2? empty
| | | | | | | +--:(isis:ca-static-level12)
| | | | | | | +--rw isis:static-level12? empty
| | | | | +--rw isis:static-metric-type? is-metric-type-t
| | | | +--rw isis:bgp!
| | | | | +--rw isis:bgp-metric? conn-metric
| | | | | +--rw isis:bgp-route-map? common-def:name-
string63
| | | | | +--rw (isis:ch-bgp-levels)?
| | | | | | +--:(isis:ca-bgp-level1)
| | | | | | | +--rw isis:bgp-level1? empty
| | | | | | | +--:(isis:ca-bgp-level2)
| | | | | | | | +--rw isis:bgp-level2? empty
| | | | | | | | +--:(isis:ca-bgp-level12)
| | | | | | | | +--rw isis:bgp-level12? empty
| | | | | | +--rw isis:bgp-metric-type? is-metric-type-t
| | | | +--rw isis:isis
| | | | | +--rw isis:level-1
| | | | | | +--rw isis:into
| | | | | | | +--rw isis:level1-into-level2
| | | | | | | | +--rw (isis:ch-prefix-list-level1-disable)?
| | | | | | | | +--:(isis:ca-prefix-list-level1)
| | | | | | | | | +--rw isis:prefix-list-
level1? string
| | | | | | | | | +--:(isis:ca-level1-into-level2-disable)
| | | | | | | | | +--rw isis:level1-into-level2-
disable? empty
| | | | | | | | | +--rw isis:level-2
| | | | | | | | | +--rw isis:into
| | | | | | | | | +--rw isis:level2-into-level1!
| | | | | | | | | +--rw isis:prefix-list-level2? string
| +--rw ospf:ospf* [vrf]
| | +--rw ospf:vrf common-def:vrf-name
| | +--rw ospf:database-overflow-interval? common-def:time-interval-sec
| | +--rw ospf:default-information-originate!
| | | +--rw ospf:always? empty
| | | | +--rw ospf:def-orig-metric? uint32
| | | | +--rw ospf:def-orig-metric-type? metric-type
| | | | +--rw ospf:def-orig-route-map? string
| | | +--rw ospf:default-passive-interface? empty
| | | +--rw ospf:default-metric? uint32
| | | +--rw ospf:ldp-sync!
| | | | +--rw ospf:ldp-sync-hold-down? uint32
| | | +--rw ospf:external-lsdb-limit? uint32
| | | +--rw ospf:log
| | | | +--rw ospf:adjacency!
| | | | | +--rw ospf:dr-only? empty
| | | | | +--rw ospf:log-all? empty
| | | | | +--rw ospf:bad-packet!
| | | | | | +--rw ospf:log-checksum? empty
| | | | | | +--rw ospf:log-database? empty
| | | | | | +--rw ospf:log-retransmit? empty
| | | +--rw ospf:ospf-metric-type? metric-type
| | +--rw ospf:neighbor* [neighbor-addr]
| | | +--rw ospf:neighbor-addr ospf-ipv4-address
| | +--rw ospf:redistribute
| | | +--rw ospf:connected!
| | | | +--rw ospf:connected-route-map? common-def:name-string63
| | | +--rw ospf:static!

```

```

| | | | +--rw ospf:static-route-map?  common-def:name-string63
| | | | +--rw ospf:bgp!
| | | | | +--rw ospf:bgp-route-map?  common-def:name-string63
| | | | +--rw ospf:redistribute-ospf!
| | | | | +--rw ospf:ospf-route-map?  common-def:name-string63
| | | | +--rw ospf:isis
| | | | | +--rw (ospf:ch-isis-level)?
| | | | | | +--:(ospf:ca-level-1)
| | | | | | | +--rw ospf:isis-level-one?  empty
| | | | | | | +--:(ospf:ca-level-2)
| | | | | | | +--rw ospf:isis-level-two?  empty
| | | | | | | +--:(ospf:ca-level-1-2)
| | | | | | | +--rw ospf:isis-level-one-and-two?  empty
| | | | | +--rw ospf:isis-route-map?  common-def:name-string63
| | | +--rw ospf:rfc1583-compatibility!
| | | | +--rw ospf:rfc1583-compatibility-flag?  empty
| | +--rw ospf:area* [area-id]
| | | +--rw ospf:area-id  ospf-area-id
| | | +--rw ospf:normal?  empty
| | | +--rw ospf:nssa
| | | | +--rw ospf:metric
| | | | | +--rw ospf:nssa-value?  big-metric
| | | | | +--rw ospf:no-summary1?  empty
| | | | | +--rw ospf:default-information-originate?  empty
| | | +--rw ospf:stub
| | | | +--rw ospf:metric
| | | | | +--rw ospf:stub-value?  big-metric
| | | | | +--rw ospf:no-summary?  empty
| | | +--rw ospf:range* [range-address range-mask]
| | | | +--rw ospf:range-address  inet:ipv4-address
| | | | +--rw ospf:range-mask  inet:ipv4-address
| | | | +--rw ospf:range-effect?  enumeration
| | | | +--rw ospf:range-cost?  range-metric
| | | +--rw ospf:prefix-list
| | | | +--rw ospf:direction-in
| | | | | +--rw ospf:prefix-list-direction-in-prefix-name?  ipv4-prefix-name-t
| | | | | +--rw ospf:prefix-list-direction-in?  empty
| | | | +--rw ospf:direction-out
| | | | | +--rw ospf:prefix-list-direction-out-prefix-name?  ipv4-prefix-name-t
| | | | | +--rw ospf:prefix-list-direction-out?  empty
| | | +--rw ospf:virtual-link* [virt-link-neighbor]
| | | | +--rw ospf:virt-link-neighbor  inet:ipv4-address
| | | | +--rw ospf:authentication-key
| | | | | +--rw ospf:no-encrypt-auth-key-table
| | | | | | +--rw ospf:no-encrypt-auth-key?  ospf-auth-psswd-string
| | | | | +--rw ospf:auth-key-table
| | | | | | +--rw ospf:encrypttype?  key-type
| | | | | | +--rw ospf:auth-key?  ospf-auth-psswd-string
| | | | +--rw ospf:authentication
| | | | | +--rw ospf:key-chain?  ospf-keychain-string
| | | | +--rw ospf:hello-interval?  common-def:time-interval-sec
| | | | +--rw ospf:dead-interval?  common-def:time-interval-sec
| | | | +--rw ospf:retransmit-interval?  common-def:time-interval-sec
| | | | +--rw ospf:transmit-delay?  common-def:time-interval-sec
| | | | +--rw ospf:md5-authentication
| | | | | +--rw ospf:key-activation-wait-time?  common-def:time-interval-sec
| | | | | +--rw ospf:no-encrypt-key-table
| | | | | | +--rw ospf:no-encrypt-key-id?  uint32
| | | | | | +--rw ospf:no-encrypt-key?  ospf-auth-psswd-string
| | | | | +--rw ospf:key-table
| | | | | | +--rw ospf:key-id?  uint32
| | | | | | +--rw ospf:key?  key-type
| | | | | | +--rw ospf:md5-authentication-key?  ospf-auth-psswd-string
| | +--rw ospf:auto-cost

```

```

| | | +--rw ospf:reference-bandwidth
| | |   +--rw ospf:ref-bandwidth?   band-width
| | |   +--rw ospf:use-active-ports? empty
| | | +--rw ospf:distance* [route-type]
| | |   +--rw ospf:route-type       route-type-enum
| | |   +--rw ospf:dist-value       uint32
| | | +--rw ospf:distribute-list
| | |   +--rw ospf:route-map
| | |     +--rw ospf:route-map?     common-def:name-string63
| | |     +--rw ospf:input?         empty
| | | +--rw ospf:max-metric
| | |   +--rw ospf:router-lsa!
| | |     +--rw ospf:all-vrfs?      empty
| | |     +--rw ospf:all-lsas?     empty
| | |     +--rw ospf:external-lsa!
| | |       | +--rw ospf:external-lsa-val?   uint32
| | |       +--rw ospf:summary-lsa!
| | |         | +--rw ospf:summary-lsa-val?   uint32
| | |         +--rw ospf:link
| | |           | +--rw ospf:all?           empty
| | |           | +--rw ospf:ptp?          empty
| | |           | +--rw ospf:stub?         empty
| | |           | +--rw ospf:transit?      empty
| | |           +--rw ospf:on-startup
| | |             +--rw ospf:time?         uint32
| | |             +--rw ospf:wait-for-bgp? empty
| | |             +--rw ospf:all-lsas-onstartup? empty
| | |             +--rw ospf:external-lsa-onstartup!
| | |               | +--rw ospf:external-lsa-val-onstartup?   uint32
| | |               +--rw ospf:summary-lsa-onstartup!
| | |                 | +--rw ospf:summary-lsa-val-onstartup?   uint32
| | |                 +--rw ospf:link-onstartup
| | |                   +--rw ospf:all-link-onstartup?         empty
| | |                   +--rw ospf:ptp-link-onstartup?         empty
| | |                   +--rw ospf:stub-link-onstartup?         empty
| | |                   +--rw ospf:transit-link-onstartup?     empty
| | | +--rw ospf:summary-address* [sum-address sum-address-mask]
| | |   +--rw ospf:sum-address       ospf-ipv4-address
| | |   +--rw ospf:sum-address-mask  inet:ipv4-address
| | | +--rw ospf:timers
| | |   +--rw ospf:lsa-group-pacing? common-def:time-interval-sec
| | |   +--rw ospf:throttle
| | |     +--rw ospf:spf
| | |       +--rw ospf:init-delay?    common-def:time-interval-msec
| | |       +--rw ospf:hold-time?     common-def:time-interval-msec
| | |       +--rw ospf:max-hold-time? common-def:time-interval-msec
| | | +--rw ospf:permit
| | |   +--rw ospf:redistribute* [redist-value route-option]
| | |     +--rw ospf:redist-value     uint32
| | |     +--rw ospf:route-option     route-option-type
| | |     +--rw ospf:address?         inet:ipv4-address
| | |     +--rw ospf:mask?            inet:ipv4-address
| | |     +--rw ospf:set-metric-val?  uint32
| | |     +--rw ospf:match-metric-val? uint32
| | | +--rw ospf:deny
| | |   +--rw ospf:redistribute* [redist-value route-option]
| | |     +--rw ospf:redist-value     uint32
| | |     +--rw ospf:route-option     route-option-type
| | |     +--rw ospf:address?         inet:ipv4-address
| | |     +--rw ospf:mask?            inet:ipv4-address
| | |     +--rw ospf:set-metric-val?  uint32
| | |     +--rw ospf:match-metric-val? uint32
| | | +--rw ospf:vrf-lite-capability? empty
| | | +--rw ospf:graceful-restart

```

```

| | | +--rw ospf:graceful-restart-enable? empty
| | | +--rw ospf:helper-disable? empty
| | | +--rw ospf:restart-time? common-def:time-interval-sec
| | | +--rw ospf:nonstop-routing? empty
| | +--rw ospf:maximum-paths? uint8
| | +--rw ospf:global-bfd
| | | +--rw ospf:bfd-enable? empty
| | | +--rw ospf:holdover-interval? uint8
| | +--rw ospf:auth-transition? empty
+--rw pim:pim* [vrf]
|   +--rw pim:vrf common-def:vrf-name
|   +--rw pim:hello-interval? uint32
|   +--rw pim:prune-wait? uint32
|   +--rw pim:nbr-timeout? uint16
|   +--rw pim:inactivity-timer? uint16
|   +--rw pim:message-interval? uint32
|   +--rw pim:spt-threshold? spt-thr-type
|   +--rw pim:rpf
|   | +--rw pim:ecmp!
|   |   +--rw pim:rebalance? empty
|   +--rw pim:ssm-enable!
|   +--rw pim:range? ip-prefix-name-t
+--rw pim:bsr-candidate
|   +--rw pim:bsr-cand-interface* [bsr-cand-intf-type bsr-cand-intf-id]
|   |   +--rw pim:bsr-cand-intf-type pim-intf-types
|   |   +--rw pim:bsr-cand-intf-id pim-intf-name_t
|   |   +--rw pim:hash-mask-length? uint16
|   |   +--rw pim:bsr-cand-priority? uint32
+--rw pim:rp-candidate
|   +--rw pim:rp-cand-interface* [rp-cand-intf-type rp-cand-intf-id]
|   |   +--rw pim:rp-cand-intf-type pim-intf-types
|   |   +--rw pim:rp-cand-intf-id pim-intf-name_t
|   |   +--rw pim:rp-cand-grp-prefix* [rp-cand-prefix-name]
|   |   +--rw pim:rp-cand-prefix-name ip-prefix-name-t
+--rw pim:route-precedence
|   +--rw pim:uc-default? route-precedence-type
|   +--rw pim:uc-non-default? route-precedence-type
|   +--rw pim:none? route-precedence-type
+--rw pim:anycast-rp* [anycast-ip-addr]
|   +--rw pim:anycast-ip-addr inet:ipv4-address
|   +--rw pim:anycast-prefix-list? ip-prefix-name-t
+--rw pim:rp-address* [rp-ip-addr]
|   +--rw pim:rp-ip-addr inet:ipv4-address
|   +--rw pim:rp-addr-prefix-list? common-def:name-string63
+--rw pim:max-mcache? uint32
+--rw ip
|   +--rw arp:neighbor-optimization
|   |   +--rw arp:nbr-optimization-disable? empty
+--rw dhcp:dhcp
|   +--rw dhcp:relay
|   |   +--rw dhcp:information
|   | |   +--rw dhcp:option? empty
|   | |   +--rw dhcp:disable-flooding? empty
|   | +--rw dhcp:snooping
|   |   +--rw dhcp:snoop-enable? empty
|   |   +--rw dhcp:information
|   | |   +--rw dhcp:option
|   | | |   +--rw dhcp:snoop-option? empty
|   | | |   +--rw dhcp:allow-untrusted? empty
|   | +--rw dhcp:binding* [mac-address ip-address vlan interface-type interface-
name]
|   |   +--rw dhcp:mac-address string
|   |   +--rw dhcp:ip-address dhcp-ipv4-address
|   |   +--rw dhcp:vlan interface:vlan-type

```

```

| |      +---rw dhcp:interface-type      dhcp-snooping-interface-type
| |      +---rw dhcp:interface-name      dhcp-snooping-interface-name
| +---rw ip-access-list:receive
| | +---rw ip-access-list:access-group* [acl-name]
| |   +---rw ip-access-list:acl-name      l3-acl-policy-name
| |   +---rw ip-access-list:sequence?     racl-seq-id
| +---rw ip-access-list:global-subnet-broadcast-acl
| | +---rw ip-access-list:ip-access-list? l3-acl-policy-name
| +---rw ip-policy:hide-large-community-list-holder
| | +---rw ip-policy:large-community-list
| |   +---rw ip-policy:standard* [name seq-keyword instance]
| |     | +---rw ip-policy:name           ip-large-community-list-name-t
| |     | +---rw ip-policy:seq-keyword    enumeration
| |     | +---rw ip-policy:instance      instance-id-t
| |     | +---rw ip-policy:action?       action-t
| |     | +---rw ip-policy:expr?         large-community-expr-t
| |     +---rw ip-policy:extended* [name seq-keyword instance]
| |       +---rw ip-policy:name           ip-large-community-list-name-t
| |       +---rw ip-policy:seq-keyword    enumeration
| |       +---rw ip-policy:instance      instance-id-t
| |       +---rw ip-policy:action?       action-t
| |       +---rw ip-policy:regex-expr?    ip-community-reg-expr-t
| +---rw vrrp:static-ag-ip-config
| |   +---rw vrrp:anycast-gateway-mac
| |     +---rw vrrp:ip-anycast-gateway-mac? mac-access-list:mac-address-type
| |     +---rw vrrp:ip-anycast-default-mac? empty
+---rw ipv6
| +---rw router
| | +---rw ospfv3:ospf* [vrf]
| | | +---rw ospfv3:vrf                    common-def:vrf-name
| | | +---rw ospfv3:area* [area-id]
| | | | +---rw ospfv3:area-id              ospf:ospf-area-id
| | | | +---rw ospfv3:normal?              empty
| | | | +---rw ospfv3:nssa!
| | | | | +---rw ospfv3:metric
| | | | | | +---rw ospfv3:nssa-area-metric? uint32
| | | | | | +---rw ospfv3:area-default-information-originate!
| | | | | | +---rw ospfv3:area-default-information-originate-metric?
uint32
| | | | | | +---rw ospfv3:area-default-information-originate-metric-type?
ospf:metric-type
| | | | | | +---rw ospfv3:no-redistribution?          empty
| | | | | | +---rw ospfv3:nssa-area-no-summary?       empty
| | | | | | +---rw ospfv3:translator-always?          empty
| | | | | | +---rw ospfv3:translator-interval?       common-def:time-
interval-sec
| | | | | +---rw ospfv3:stub
| | | | | | +---rw ospfv3:stub-area-no-summary?      empty
| | | | | | +---rw ospfv3:stub-area-metric?          uint32
| | | | | +---rw ospfv3:authentication
| | | | | | +---rw ospfv3:ipsec-auth-key-config
| | | | | | | +---rw ospfv3:spi?                      spi-value-type
| | | | | | | +---rw (ospfv3:ch-algorithm)?
| | | | | | | | +---:(ospfv3:ca-ah-algorithm)
| | | | | | | | | +---rw ospfv3:ah?                  algorithm-type-ah
| | | | | | | | | +---rw ospfv3:ah-key?              ipsec-authentication-hexkey-
string
| | | | | | | | | +---:(ospfv3:ca-esp-algorithm)
| | | | | | | | | | +---rw ospfv3:esp?                algorithm-type-esp
| | | | | | | | | | +---rw ospfv3:esp-auth?          algorithm-type-ah
| | | | | | | | | | +---rw ospfv3:esp-auth-key?      ipsec-authentication-hexkey-
string
| | | | | +---rw ospfv3:virtual-link* [virtual-link-neighbor]
| | | | | | +---rw ospfv3:virtual-link-neighbor      inet:ipv4-address

```

```

| | | | | +--rw ospfv3:link-properties
| | | | |   +--rw ospfv3:link-interval-properties
| | | | |     | +--rw ospfv3:hello-interval?      common-def:time-interval-sec
| | | | |     | +--rw ospfv3:dead-interval?      common-def:time-interval-sec
| | | | |     | +--rw ospfv3:hello-jitter?      uint32
| | | | |     | +--rw ospfv3:retransmit-interval? common-def:time-interval-sec
| | | | |     | +--rw ospfv3:transmit-delay?    common-def:time-interval-sec
| | | | |   +--rw ospfv3:authentication
| | | | |     +--rw ospfv3:key-chain?            string
| | | | |     +--rw ospfv3:ipsec-auth-key-config
| | | | |       +--rw ospfv3:spi?                spi-value-type
| | | | |       +--rw (ospfv3:ch-algorithm)?
| | | | |         +--:(ospfv3:ca-ah-algorithm)
| | | | |           | +--rw ospfv3:ah?          algorithm-type-ah
| | | | |           | +--rw ospfv3:ah-key?     ipsec-authentication-
hexkey-string
| | | | |             +--:(ospfv3:ca-esp-algorithm)
| | | | |             +--rw ospfv3:esp?        algorithm-type-esp
| | | | |             +--rw ospfv3:esp-auth?   algorithm-type-ah
| | | | |             +--rw ospfv3:esp-auth-key? ipsec-authentication-
hexkey-string
| | | | | +--rw ospfv3:area-range* [range-address]
| | | | |   +--rw ospfv3:range-address    common-def:ipv6-address-prefix
| | | | |   +--rw ospfv3:range-effect?    enumeration
| | | | |   +--rw ospfv3:range-cost?      ospf:range-metric
| | | | | +--rw ospfv3:auto-cost
| | | | | | +--rw ospfv3:reference-bandwidth? ospf:band-width
| | | | | +--rw ospfv3:database-overflow-interval? common-def:time-
interval-sec
| | | | | +--rw ospfv3:global-default-information-originate!
| | | | | | +--rw ospfv3:global-default-information-originate-always? empty
| | | | | | +--rw ospfv3:global-default-information-originate-metric? uint32
| | | | | | +--rw ospfv3:global-default-information-originate-metric-type?
ospf:metric-type
| | | | | +--rw ospfv3:default-metric?      uint32
| | | | | +--rw ospfv3:default-passive-interface? empty
| | | | | +--rw ospfv3:distance* [route-type]
| | | | | | +--rw ospfv3:route-type          ospf:route-type-enum
| | | | | | +--rw ospfv3:distance-value?    uint32
| | | | | +--rw ospfv3:distribute-list
| | | | | | +--rw ospfv3:route-map
| | | | | | | +--rw ospfv3:distribute-list-route-map-name? common-def:name-
string63
| | | | | | | +--rw ospfv3:distribute-list-route-map-in? empty
| | | | | | | +--rw ospfv3:prefix-list
| | | | | | | +--rw ospfv3:distribute-list-prefix-list-name? common-def:name-
string63
| | | | | | | +--rw ospfv3:distribute-list-prefix-list-in? empty
| | | | | | +--rw ospfv3:external-lsdb-limit? uint32
| | | | | +--rw ospfv3:graceful-restart
| | | | | | +--rw ospfv3:helper
| | | | | | | +--rw ospfv3:graceful-restart-helper-disable? empty
| | | | | | | +--rw ospfv3:graceful-restart-helper-strict-lsa-checking? empty
| | | | | | +--rw ospfv3:restart-time?      common-def:time-interval-sec
| | | | | +--rw ospfv3:key-add-remove-interval? common-def:time-
interval-sec
| | | | | +--rw ospfv3:key-rollover-interval? common-def:time-
interval-sec
| | | | | +--rw ospfv3:log
| | | | | | +--rw ospfv3:log-adjacency!
| | | | | | | +--rw ospfv3:log-adjacency-dr-only? empty
| | | | | | +--rw ospfv3:log-all?          empty
| | | | | | +--rw ospfv3:log-bad-packet!
| | | | | | +--rw ospfv3:log-bad-packet-checksum? empty

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| | | | +--rw ospfv3:log-database?      empty
| | | | +--rw ospfv3:log-retransmit?    empty
| | | | +--rw ospfv3:global-metric-type? ospf:metric-type
| | | | +--rw ospfv3:redistribute
| | | | | +--rw ospfv3:redistribute-connected!
| | | | | | +--rw ospfv3:connected-route-map?      common-def:name-
string63
| | | | | | +--rw ospfv3:redistribute-connected-metric?      uint32
| | | | | | +--rw ospfv3:redistribute-connected-metric-type? ospf:metric-type
| | | | | +--rw ospfv3:redistribute-static!
| | | | | | +--rw ospfv3:static-route-map?          common-def:name-
string63
| | | | | | +--rw ospfv3:redistribute-static-metric?      uint32
| | | | | | +--rw ospfv3:redistribute-static-metric-type? ospf:metric-type
| | | | | +--rw ospfv3:redistribute-isis!
| | | | | | +--rw ospfv3:redistribute-isis-route-map?      common-def:name-string63
| | | | | | | +--rw (ospfv3:ch-isis-level)?
| | | | | | | | +--:(ospfv3:ca-level-1)
| | | | | | | | | +--rw ospfv3:level-1?      empty
| | | | | | | | +--:(ospfv3:ca-level-2)
| | | | | | | | | +--rw ospfv3:level-2?      empty
| | | | | | | | +--:(ospfv3:ca-level-1-2)
| | | | | | | | | +--rw ospfv3:level-1-2?    empty
| | | | | | | +--rw ospfv3:redistribute-isis-metric?      uint32
| | | | | | | +--rw ospfv3:redistribute-isis-metric-type? ospf:metric-type
| | | | | +--rw ospfv3:redistribute-bgp!
| | | | | | +--rw ospfv3:bgp-route-map?          common-def:name-string63
| | | | | | +--rw ospfv3:redistribute-bgp-metric?      uint32
| | | | | | +--rw ospfv3:redistribute-bgp-metric-type? ospf:metric-type
| | | | | +--rw ospfv3:redistribute-ospf!
| | | | | | +--rw ospfv3:ospf-route-map?          common-def:name-string63
| | | | | | +--rw ospfv3:redistribute-ospf-metric?      uint32
| | | | | | +--rw ospfv3:redistribute-ospf-metric-type? ospf:metric-type
| | | | +--rw ospfv3:summary-address* [summary-address-value]
| | | | | +--rw ospfv3:summary-address-value      common-def:ipv6-address-prefix
| | | | +--rw ospfv3:timers
| | | | | +--rw ospfv3:lsa-group-pacing?      common-def:time-interval-sec
| | | | | +--rw ospfv3:spf
| | | | | | +--rw ospfv3:spf-delay?          common-def:time-interval-sec
| | | | | | +--rw ospfv3:spf-hold-time?      common-def:time-interval-sec
| | | | +--rw ospfv3:nonstop-routing?      empty
| | | | +--rw ospfv3:maximum-paths?        uint32
| | | | +--rw ospfv3:max-metric
| | | | | +--rw ospfv3:router-lsa!
| | | | | | +--rw ospfv3:all-lsas?            empty
| | | | | | +--rw ospfv3:external-lsa!
| | | | | | | +--rw ospfv3:external-lsa-value?  uint32
| | | | | | +--rw ospfv3:summary-lsa!
| | | | | | | +--rw ospfv3:summary-lsa-value?  uint32
| | | | | | +--rw ospfv3:include-stub?      empty
| | | | | +--rw ospfv3:on-startup
| | | | | | +--rw ospfv3:on-startup-time?    uint32
| | | | | | +--rw ospfv3:wait-for-bgp?      empty
| | | | +--rw ospfv3:bfd
| | | | | +--rw ospfv3:bfd-enable?          empty
| | | | | | +--rw ospfv3:bfd-holdover-interval? common-def:time-interval-sec
| | | | | +--rw ospfv3:vrf-lite-capability?  empty
| | | | | +--rw ospfv3:auth-transition?      empty
| | +--rw pim:pim* [vrf]
| | | +--rw pim:vrf                        common-def:vrf-name
| | | +--rw pim:hello-interval?          uint32
| | | +--rw pim:prune-wait?              uint32
| | | +--rw pim:nbr-timeout?             uint16
| | | +--rw pim:inactivity-timer?        uint16

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| |   +--rw pim:message-interval?   uint32
| |   +--rw pim:spt-threshold?     spt-thr-type
| |   +--rw pim:rpf
| |   |   +--rw pim:ecmp!
| |   |   |   +--rw pim:rebalance?  empty
| |   +--rw pim:ssm-enable!
| |   |   +--rw pim:range?         ip-prefix-name-t
| |   +--rw pim:bsr-candidate
| |   |   +--rw pim:bsr-cand-interface* [bsr-cand-intf-type bsr-cand-intf-id]
| |   |   |   +--rw pim:bsr-cand-intf-type  pim-intf-types
| |   |   |   |   +--rw pim:bsr-cand-intf-id    pim-intf-name_t
| |   |   |   |   +--rw pim:hash-mask-length?  uint16
| |   |   |   |   +--rw pim:bsr-cand-priority?  uint32
| |   +--rw pim:rp-candidate
| |   |   +--rw pim:rp-cand-interface* [rp-cand-intf-type rp-cand-intf-id]
| |   |   |   +--rw pim:rp-cand-intf-type  pim-intf-types
| |   |   |   |   +--rw pim:rp-cand-intf-id    pim-intf-name_t
| |   |   |   |   +--rw pim:rp-cand-grp-prefix* [rp-cand-prefix-name]
| |   |   |   |   +--rw pim:rp-cand-prefix-name  ip-prefix-name-t
| |   +--rw pim:route-precedence
| |   |   +--rw pim:uc-default?         route-precedence-type
| |   |   +--rw pim:uc-non-default?     route-precedence-type
| |   |   +--rw pim:none?              route-precedence-type
| |   +--rw pim:anycast-rp* [anycast-ip-addr]
| |   |   +--rw pim:anycast-ip-addr     inet:ipv6-address
| |   |   +--rw pim:anycast-prefix-list? ipv6-prefix-name-t
| |   +--rw pim:rp-address* [rp-ip-addr]
| |   |   +--rw pim:rp-ip-addr         inet:ipv6-address
| |   |   +--rw pim:rp-addr-prefix-list? common-def:name-string63
| |   +--rw pim:max-mcache?            uint32
+--rw ipv6-access-list:receive
| |   +--rw ipv6-access-list:access-group* [acl-name]
| |   |   +--rw ipv6-access-list:acl-name  ipv6-l3-acl-policy-name
| |   +--rw ipv6-access-list:sequence?   ip-access-list:racl-seq-id
+--rw vrrp:static-ag-ipv6-config
|   +--rw vrrp:anycast-gateway-mac
|   |   +--rw vrrp:ipv6-anycast-gateway-mac?  mac-access-list:mac-address-type
|   +--rw vrrp:ipv6-anycast-default-mac?     empty
+--rw brocade-interface:protocol
| +--rw vrrp:vrrp-holder
| |   +--rw vrrp:vrrp?          empty
| |   +--rw vrrp:vrrp-extended? empty
+--rw brocade-interface:interface
| +--rw brocade-interface:ve* [name]
| |   +--rw brocade-interface:name                               config-ve-type
| |   +--rw brocade-interface:description?                    string
| |   +--rw brocade-interface:bfd
| |   |   +--rw brocade-interface:interval
| |   |   |   +--rw brocade-interface:min-tx?          bfd-tx-interval-type
| |   |   |   +--rw brocade-interface:min-rx?          bfd-rx-interval-type
| |   |   |   +--rw brocade-interface:multiplier?     bfd-multiplier-type
| |   |   +--rw brocade-interface:bfd-shutdown?      empty
| |   +--rw brocade-interface:snmp
| |   |   +--rw brocade-interface:trap
| |   |   |   +--rw brocade-interface:link-status
| |   |   |   |   +--rw brocade-interface:snmp-link-disable?  empty
| |   +--rw qos-mls:qos
| |   |   +--rw qos-mls:dscp-cos?                          map-name-type
| |   |   |   +--rw qos-mls:dscp-cos-builtin
| |   |   |   |   +--rw qos-mls:map-name?  builtin-map-name-type
| |   |   |   |   +--rw qos-mls:dscp-mutation?          map-name-type
| |   |   |   |   +--rw qos-mls:dscp-mutation-builtin
| |   |   |   |   |   +--rw qos-mls:map-name?  builtin-map-name-type
| |   |   |   |   +--rw qos-mls:dscp-traffic-class?    map-name-type

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| | | +--rw qos-mls:dscp-traffic-class-builtin
| | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | +--rw qos-mls:traffic-class-dscp? map-name-type
| | | +--rw qos-mls:traffic-class-dscp-builtin
| | | | +--rw qos-mls:map-name? builtin-map-name-type
| | +--rw qos-mqc:service-policy
| | | +--rw qos-mqc:in? map-name-type
| | | +--rw qos-mqc:out? map-name-type
| | +--rw ip-config:vrf
| | | +--rw ip-config:forwarding? common-def:vrf-name
| | +--rw ip-config:ip
| | | +--rw ip-config:ip-config
| | | | +--rw ip-config:mtu? ip-mtu
| | | | +--rw ip-config:directed-broadcast? empty
| | | | +--rw ip-config:arp
| | | | | +--rw ip-config:learn-any? empty
| | | | +--rw ip-config:proxy-arp? empty
| | | | +--rw ip-config:arp-aging-timeout? uint32
| | | | +--rw ip-config:irdp? empty
| | | | +--rw ip-config:address* [address]
| | | | | +--rw ip-config:address union
| | | | | +--rw ip-config:secondary? empty
| | | | | +--rw ip-config:ospf-passive? empty
| | | | | +--rw ip-config:ospf-ignore? empty
| | | +--rw dhcp:interface-ve-dhcp-conf
| | | | +--rw dhcp:dhcp
| | | | | +--rw dhcp:relay
| | | | | | +--rw dhcp:servers* [relay-ip-addr server-vrf-name]
| | | | | | | +--rw dhcp:relay-ip-addr dhcp-ipv4-address
| | | | | | | +--rw dhcp:server-vrf-name common-def:vrf-name
| | | | | | +--rw dhcp:gateway
| | | | | | | +--rw dhcp:gateway-address? dhcp-ipv4-address
| | | | | | | +--rw dhcp:gw-intf-type? dhcp-gateway-interface-type
| | | | | | | +--rw dhcp:gw-intf-name? dhcp-gateway-interface-name
| | | +--rw icmp:icmp
| | | | +--rw icmp:rate-limiting? uint32
| | | | +--rw icmp:echo-reply? empty
| | | | +--rw icmp:redirect? empty
| | | | +--rw icmp:unreachable? empty
| | | +--rw igmp:igmp
| | | | +--rw igmp:igmpl3-last-member-query-interval? igmp-snooping:lmqt-type
| | | | +--rw igmp:igmpl3-query-interval? igmp-snooping:qi-type
| | | | +--rw igmp:igmpl3-query-max-response-time? igmp-snooping:qmrt-type
| | | | +--rw igmp:igmpl3-immediate-leave? empty
| | | | +--rw igmp:igmpl3-version? uint32
| | | | +--rw igmp:igmpl3-static-group* [igmpl3-sg-addr]
| | | | | +--rw igmp:igmpl3-sg-addr inet:ipv4-address
| | | +--rw isis:intf-router-isis
| | | | +--rw isis:int-router-isis
| | | | | +--rw isis:interface-ip-router-isis? empty
| | | +--rw vrrp:ip-anycast-address* [ip-address]
| | | | +--rw vrrp:ip-address union
| | | +--rw vrrp:ip-vrrp-extended
| | | | +--rw vrrp:auth-type
| | | | | +--rw vrrp:md5-auth
| | | | | | +--rw vrrp:auth-data? string
| | | +--rw ospf:interface-vlan-ospf-conf
| | | | +--rw ospf:ospf1
| | | | | +--rw ospf:area? ospf-area-id
| | | | | +--rw ospf:auth-change-wait-time? common-def:time-interval-sec
| | | | | +--rw ospf:authentication-key
| | | | | | +--rw ospf:no-encrypt-auth-key-table
| | | | | | | +--rw ospf:no-encrypt-auth-key? ospf-auth-psswd-string
| | | | | | | +--rw ospf:auth-key-table

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| | | | | | +--rw ospf:encrypttype? key-type
| | | | | | +--rw ospf:auth-key? ospf-auth-psswd-string
| | | | | +--rw ospf:authentication
| | | | | | +--rw ospf:key-chain? ospf-keychain-string
| | | | | +--rw ospf:hello-interval? common-def:time-interval-sec
| | | | | +--rw ospf:dead-interval? common-def:time-interval-sec
| | | | | +--rw ospf:retransmit-interval? common-def:time-interval-sec
| | | | | +--rw ospf:transmit-delay? common-def:time-interval-sec
| | | | | +--rw ospf:md5-authentication
| | | | | | +--rw ospf:key-activation-wait-time? common-def:time-interval-sec
| | | | | | +--rw ospf:no-encrypt-key-table
| | | | | | | +--rw ospf:no-encrypt-key-id? uint32
| | | | | | | +--rw ospf:no-encrypt-key? ospf-auth-psswd-string
| | | | | | +--rw ospf:key-table
| | | | | | | +--rw ospf:key-id? uint32
| | | | | | | +--rw ospf:key? key-type
| | | | | | | +--rw ospf:md5-authentication-key? ospf-auth-psswd-string
| | | | | +--rw ospf:cost? uint32
| | | | | +--rw ospf:network? enumeration
| | | | | +--rw ospf:intf-ldp-sync? enumeration
| | | | | +--rw ospf:database-filter
| | | | | | +--rw ospf:all-out? empty
| | | | | | +--rw ospf:all-external? database-filter-options
| | | | | | +--rw ospf:all-summary-external? database-filter-options
| | | | | +--rw ospf:mtu-ignore? empty
| | | | | +--rw ospf:active? empty
| | | | | +--rw ospf:passive? empty
| | | | | +--rw ospf:priority? uint32
| | | | | +--rw ospf:bfd
| | | | | | +--rw ospf:intf-bfd-enable? empty
| | | +--rw pim:pim-intf-vlan-cont
| | | | +--rw pim:pim-int-cmd
| | | | +--rw pim:pim-sparse? empty
| | | | +--rw pim:pim
| | | | | +--rw pim:neighbor-filter? ip-prefix-name-t
| | | | | +--rw pim:dr-priority? uint32
| | | | | +--rw pim:ttl-threshold? uint32
| | | | +--rw pim:mcast-bdry-prefix-list? ip-prefix-name-t
| | +--rw ip-config:ip-forward
| | | +--rw ip-config:ip
| | | | +--rw ip-config:forward? empty
| | +--rw ip-config:shutdown? empty
| | +--rw ipv6-config:ipv6
| | | +--rw ipv6-config:ipv6-config
| | | | +--rw ipv6-config:address
| | | | | +--rw ipv6-config:use-link-local-only? empty
| | | | | +--rw ipv6-config:link-local-config
| | | | | | +--rw ipv6-config:link-local-address? inet:ipv6-address
| | | | | | +--rw ipv6-config:link-local? empty
| | | | | +--rw ipv6-config:ipv6-address* [address]
| | | | | +--rw ipv6-config:address union
| | | | | +--rw ipv6-config:secondary? empty
| | | | | +--rw ipv6-config:eui-config
| | | | | | +--rw ipv6-config:eui64? empty
| | | | | | +--rw ipv6-config:eui-secondary? empty
| | | | | +--rw ipv6-config:anycast? empty
| | | | +--rw ipv6-config:mtu? ip-mtu
| | +--rw dhcpv6:interface-ve-dhcp-conf
| | | +--rw dhcpv6:dhcp
| | | | +--rw dhcpv6:relay
| | | | | +--rw dhcpv6:servers* [relay-ip-addr]
| | | | | | +--rw dhcpv6:relay-ip-addr dhcp-ipv6-address
| | | | | | +--rw dhcpv6:server-vrf-name? common-def:vrf-name
| | | | +--rw dhcpv6:interface

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| | | | | | | +---rw ipv6-nd-ra:time?          common-def:time-interval-sec
| | | | | | | +---rw ipv6-nd-ra:cache
| | | | | | | | +---rw ipv6-nd-ra:expire?          common-def:time-interval-sec
| | | | | | | | | +---rw ipv6-nd-ra:cache-limit?    uint32
| | | | | | | +---rw ipv6-nd-ra:prefix* [prefix-ipv6-address]
| | | | | | | | +---rw ipv6-nd-ra:prefix-ipv6-address  inet:ipv6-prefix
| | | | | | | | +---rw ipv6-nd-ra:lifetime
| | | | | | | | | +---rw (ipv6-nd-ra:ch-valid-type)?
| | | | | | | | | | +---:(ipv6-nd-ra:ca-no-advertise)
| | | | | | | | | | | +---rw ipv6-nd-ra:no-advertise?    empty
| | | | | | | | | | | +---:(ipv6-nd-ra:ca-valid-lifetime)
| | | | | | | | | | | | +---rw ipv6-nd-ra:valid-lifetime?  common-def:time-
interval-sec
| | | | | | | | | | | | +---:(ipv6-nd-ra:ca-valid-infinite)
| | | | | | | | | | | | | +---rw ipv6-nd-ra:valid-infinite?  empty
| | | | | | | | | | | | +---rw ipv6-nd-ra:preferred
| | | | | | | | | | | | | +---rw (ipv6-nd-ra:ch-preferred-type)?
| | | | | | | | | | | | | | +---:(ipv6-nd-ra:ca-preferred-lifetime)
| | | | | | | | | | | | | | | +---rw ipv6-nd-ra:preferred-lifetime?  common-
def:time-interval-sec
| | | | | | | | | | | | | | +---:(ipv6-nd-ra:ca-preferred-infinite)
| | | | | | | | | | | | | | | +---rw ipv6-nd-ra:preferred-infinite?  empty
| | | | | | | | | | | | | | +---rw ipv6-nd-ra:prefix-flags
| | | | | | | | | | | | | | | +---rw ipv6-nd-ra:no-autoconfig?    empty
| | | | | | | | | | | | | | | +---rw ipv6-nd-ra:no-onlink?      empty
| | | | | | | | | | | | | | | +---rw ipv6-nd-ra:off-link?      empty
| | | | | | | | | | | | | | +---rw ipv6-nd-ra:neighbor* [ipv6-address]
| | | | | | | | | | | | | | | +---rw ipv6-nd-ra:ipv6-address      neighbor-ipv6-address
| | | | | | | | | | | | | | | +---rw ipv6-nd-ra:hardware-address?  macAddr
| | | | | | | +---rw isis:intf-ipv6-router-isis
| | | | | | | | +---rw isis:int-ipv6-router-isis
| | | | | | | | | +---rw isis:interface-ipv6-router-isis?    empty
| | | | | | | +---rw vrrp:ipv6-anycast-address* [ipv6-address]
| | | | | | | | +---rw vrrp:ipv6-address      union
| | | | | | | +---rw vrrp:ipv6-vrrp-extended
| | | | | | | | +---rw vrrp:auth-type
| | | | | | | | | +---rw vrrp:md5-auth
| | | | | | | | | | +---rw vrrp:auth-data?    string
| | | | | | | +---rw ospfv3:interface-ospfv3-conf
| | | | | | | | +---rw ospfv3:interface-area?      ospf:ospf-area-id
| | | | | | | | +---rw ospfv3:active?            empty
| | | | | | | | +---rw ospfv3:passive?          empty
| | | | | | | | +---rw ospfv3:bfd
| | | | | | | | | +---rw ospfv3:bfd-enable?    empty
| | | | | | | | +---rw ospfv3:cost?            uint32
| | | | | | | | +---rw ospfv3:instance?        uint32
| | | | | | | | +---rw ospfv3:mtu-ignore?      empty
| | | | | | | | +---rw ospfv3:network?        enumeration
| | | | | | | | +---rw ospfv3:priority?      uint32
| | | | | | | | +---rw ospfv3:suppress-linklsa? empty
| | | | | | | | +---rw ospfv3:authentication
| | | | | | | | | +---rw ospfv3:key-chain?      string
| | | | | | | | | +---rw ospfv3:ipsec-auth-key-config
| | | | | | | | | | +---rw ospfv3:spi?          spi-value-type
| | | | | | | | | | +---rw (ospfv3:ch-algorithm)?
| | | | | | | | | | | +---:(ospfv3:ca-ah-algorithm)
| | | | | | | | | | | | +---rw ospfv3:ah?      algorithm-type-ah
| | | | | | | | | | | | | +---rw ospfv3:ah-key? ipsec-authentication-hexkey-
string
| | | | | | | | | | | | | +---:(ospfv3:ca-esp-algorithm)
| | | | | | | | | | | | | | +---rw ospfv3:esp?      algorithm-type-esp
| | | | | | | | | | | | | | +---rw ospfv3:esp-auth?   algorithm-type-ah
| | | | | | | | | | | | | | +---rw ospfv3:esp-auth-key? ipsec-authentication-hexkey-
string

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| | | | | +--rw ospfv3:ipsec
| | | | |   +--rw ospfv3:ipsec-authentication-disable?  empty
| | | | |   +--rw ospfv3:ifc-key-add-remove-interval?  common-def:time-
interval-sec
| | | | | +--rw ospfv3:link-interval-properties
| | | | |   +--rw ospfv3:hello-interval?  common-def:time-interval-sec
| | | | |   +--rw ospfv3:dead-interval?  common-def:time-interval-sec
| | | | |   +--rw ospfv3:hello-jitter?  uint32
| | | | |   +--rw ospfv3:retransmit-interval?  common-def:time-interval-sec
| | | | |   +--rw ospfv3:transmit-delay?  common-def:time-interval-sec
| | | +--rw pim:pim-intf-vlan-cont
| | | | +--rw pim:ipv6-pim-int-cmd
| | | | | +--rw pim:pim-sparse?  empty
| | | | | +--rw pim:pim
| | | | | | +--rw pim:neighbor-filter?  ip-prefix-name-t
| | | | | | +--rw pim:dr-priority?  uint32
| | | | | | +--rw pim:ttl-threshold?  uint32
| | | | | | +--rw pim:mcast-bdry-prefix-list?  ip-prefix-name-t
| | | +--rw vrrpv3:vrrpv3* [vrid]
| | | | +--rw vrrpv3:vrid  vrid-type
| | | | +--rw vrrpv3:use-v2-checksum?  empty
| | | | +--rw vrrpv3:virtual-ip* [virtual-ipaddr]
| | | | | +--rw vrrpv3:virtual-ipaddr  inet:ipv6-address
| | | | +--rw vrrpv3:track
| | | | | +--rw vrrpv3:interface* [interface-type interface-name]
| | | | | | +--rw vrrpv3:interface-type  track-ifttype
| | | | | | +--rw vrrpv3:interface-name  track-ifname
| | | | | | +--rw vrrpv3:track-priority?  uint8
| | | | | +--rw vrrpv3:advertisement-interval?  uint32
| | | | | +--rw vrrpv3:enable?  empty
| | | | | +--rw vrrpv3:hold-time?  uint32
| | | | | +--rw vrrpv3:preempt-mode?  empty
| | | | | +--rw vrrpv3:priority?  uint8
| | | | | +--rw vrrpv3:description?  string
| | | +--rw vrrpv3:vrrpv3e* [vrid]
| | | | +--rw vrrpv3:vrid  vrrpe-vrid-type
| | | | +--rw vrrpv3:virtual-mac?  enumeration
| | | | +--rw vrrpv3:virtual-ip* [virtual-ipaddr]
| | | | | +--rw vrrpv3:virtual-ipaddr  inet:ipv6-address
| | | | +--rw vrrpv3:track
| | | | | +--rw vrrpv3:network* [network-address]
| | | | | | +--rw vrrpv3:network-address  track-network-address
| | | | | | +--rw vrrpv3:network-priority?  uint8
| | | | | +--rw vrrpv3:interface* [interface-type interface-name]
| | | | | | +--rw vrrpv3:interface-type  track-ifttype
| | | | | | +--rw vrrpv3:interface-name  track-ifname
| | | | | | +--rw vrrpv3:track-priority?  uint8
| | | | | +--rw vrrpv3:enable?  empty
| | | | | +--rw vrrpv3:hold-time?  uint32
| | | | | +--rw vrrpv3:preempt-mode?  empty
| | | | | +--rw vrrpv3:priority?  uint8
| | | | | +--rw vrrpv3:description?  string
| | | | | +--rw vrrpv3:advertise-backup?  empty
| | | | | +--rw vrrpv3:nd-advertisement-timer?  uint32
| | | | | +--rw vrrpv3:advertisement-interval-scale?  uint32
| | | | | +--rw vrrpv3:backup-advertisement-interval?  uint32
| | | | | +--rw vrrpv3:vrrpe-advertisement-interval?  uint32
| | | | | +--rw vrrpv3:short-path-forwarding
| | | | | | +--rw vrrpv3:basic?  empty
| | | | | | +--rw vrrpv3:revert-priority?  uint8
| | +--rw ip-access-list:ip-acl-interface
| | | +--rw ip-access-list:ip
| | | | +--rw ip-access-list:access-group* [ip-access-list ip-direction]
| | | | | +--rw ip-access-list:ip-access-list  13-acl-policy-name

```

```

| | | +--rw ip-access-list:ip-direction enumeration
| | | +--rw ip-access-list:traffic-type? enumeration
| | +--rw ip-access-list:ip-subnet-broadcast-acl-interface
| | | +--rw ip-access-list:ip
| | | | +--rw ip-access-list:subnet-broadcast-acl* [ip-access-list]
| | | | | +--rw ip-access-list:ip-access-list l3-acl-policy-name
| | +--rw ip-policy:ip-pbr-interface
| | | +--rw ip-policy:ip
| | | | +--rw ip-policy:policy
| | | | | +--rw ip-policy:route-map
| | | | | +--rw ip-policy:route-map-name? common-def:name-string63
| | +--rw isis:intf-isis!
| | | +--rw isis:interface-isis
| | | | +--rw isis:auth-check
| | | | | +--rw isis:auth-check-level1
| | | | | | +--rw isis:interface-auth-check-level1-disable? empty
| | | | | | +--rw isis:auth-check-level2
| | | | | | +--rw isis:interface-auth-check-level2-disable? empty
| | | | +--rw isis:interface-reverse-metric!
| | | | | +--rw isis:rev-metric-common-attributes
| | | | | | +--rw isis:rev-metric-val? uint32
| | | | | | +--rw isis:rev-metric-whole-lan? empty
| | | | | | +--rw isis:rev-metric-te-def-metric? empty
| | | | +--rw isis:interface-auth-mode
| | | | | +--rw isis:interface-md5
| | | | | | +--rw isis:interface-auth-mode-md5-level1? empty
| | | | | | +--rw isis:interface-auth-mode-md5-level2? empty
| | | | +--rw isis:interface-auth-key* [interface-auth-key-level]
| | | | | +--rw isis:interface-auth-key-level enumeration
| | | | | +--rw isis:interface-auth-key-str? string
| | | | +--rw isis:interface-hello
| | | | | +--rw isis:interface-hello-padding
| | | | | | +--rw isis:interface-hello-padding-disable? empty
| | | | +--rw isis:interface-hello-interval* [interface-hello-interval-level]
| | | | | +--rw isis:interface-hello-interval-level enumeration
| | | | | +--rw isis:interface-hello-interval-val? uint32
| | | | +--rw isis:interface-hello-multiplier* [interface-hello-multiplier-level]
| | | | | +--rw isis:interface-hello-multiplier-level enumeration
| | | | | +--rw isis:interface-hello-multiplier-val? uint32
| | | | +--rw isis:circuit-type? enumeration
| | | +--rw isis:interface-ipv6
| | | | +--rw isis:interface-ipv6-metric* [interface-ipv6-metric-level]
| | | | | +--rw isis:interface-ipv6-metric-level enumeration
| | | | | +--rw isis:interface-ipv6-metric-val? uint32
| | | | +--rw isis:interface-metric* [interface-metric-level]
| | | | | +--rw isis:interface-metric-level enumeration
| | | | | +--rw isis:interface-metric-val? uint32
| | | | +--rw isis:interface-point-to-point? empty
| | | | +--rw isis:interface-passive? empty
| | | | +--rw isis:interface-priority
| | | | | +--rw isis:interface-priority-level1? uint32
| | | | | +--rw isis:interface-priority-level2? uint32
| | | | +--rw isis:interface-bfd
| | | | | +--rw isis:interface-bfd-enable? empty
| | | | +--rw isis:interface-ldp-sync? enumeration
| | | | +--rw isis:segment-routing
| | | | | +--rw isis:interface-segment-routing-disable? empty
| | | | +--rw isis:segment-routing-prefix-sid
| | | | | +--rw isis:sr-prefix-sid-value? uint32
| | +--rw vrrp:vrrp* [vrid version]
| | | +--rw vrrp:vrid vrid-type
| | | +--rw vrrp:version uint8
| | | +--rw vrrp:use-v2-checksum? empty
| | | +--rw vrrp:virtual-ip* [virtual-ipaddr]

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```

| | | | +--rw vrrp:virtual-ipaddr    inet:ipv4-address
| | | +--rw vrrp:track
| | | | +--rw vrrp:interface* [interface-type interface-name]
| | | | | +--rw vrrp:interface-type    track-iftype
| | | | | +--rw vrrp:interface-name    track-ifname
| | | | | +--rw vrrp:track-priority?   uint8
| | | | +--rw vrrp:advertisement-interval?  uint32
| | | | +--rw vrrp:enable?              empty
| | | | +--rw vrrp:hold-time?           uint32
| | | | +--rw vrrp:preempt-mode?        empty
| | | | +--rw vrrp:arp
| | | | | +--rw vrrp:unicast-request
| | | | | | +--rw vrrp:receive?    empty
| | | | | +--rw vrrp:priority?      uint8
| | | | | +--rw vrrp:description?   string
| | | +--rw vrrp:vrrpe* [vrid]
| | | | +--rw vrrp:vrid                vrrpe-vrid-type
| | | | +--rw vrrp:virtual-mac?       enumeration
| | | | +--rw vrrp:virtual-ip* [virtual-ipaddr]
| | | | | +--rw vrrp:virtual-ipaddr    inet:ipv4-address
| | | | +--rw vrrp:track
| | | | | +--rw vrrp:network* [network-address]
| | | | | | +--rw vrrp:network-address    union
| | | | | | | +--rw vrrp:network-priority?  uint8
| | | | | | +--rw vrrp:interface* [interface-type interface-name]
| | | | | | | +--rw vrrp:interface-type    track-iftype
| | | | | | | +--rw vrrp:interface-name    track-ifname
| | | | | | | +--rw vrrp:track-priority?   uint8
| | | | | +--rw vrrp:advertisement-interval?  uint32
| | | | | +--rw vrrp:enable?              empty
| | | | | +--rw vrrp:hold-time?           uint32
| | | | | +--rw vrrp:preempt-mode?        empty
| | | | | +--rw vrrp:arp
| | | | | | +--rw vrrp:unicast-request
| | | | | | | +--rw vrrp:receive?    empty
| | | | | | +--rw vrrp:priority?      uint8
| | | | | | +--rw vrrp:description?   string
| | | | | | +--rw vrrp:advertise-backup?    empty
| | | | | | +--rw vrrp:vrrpe-garp-timer?    uint32
| | | | | | +--rw vrrp:backup-advertisement-interval?  uint32
| | | | | | +--rw vrrp:short-path-forwarding
| | | | | | | +--rw vrrp:basic?          empty
| | | | | | | +--rw vrrp:revert-priority?  uint8
| | | | | | +--rw vrrp:advertisement-interval-scale?  uint32
| | | +--rw rpf:rpf
| | | | +--rw rpf:mode?  enumeration
| +--rw intf-loopback:loopback* [id]
| | +--rw intf-loopback:id                intf-loopback-port-type
| | +--rw intf-loopback:vrf
| | | +--rw intf-loopback:forwarding?    common-def:vrf-name
| | +--rw intf-loopback:description?    string
| | +--rw intf-loopback:reload-delay
| | | +--rw intf-loopback:reload-delay-enable?  empty
| | | +--rw intf-loopback:reload-delay-time?    reload-delay-type
| | +--rw intf-loopback:snmp
| | | +--rw intf-loopback:trap
| | | | +--rw intf-loopback:link-status
| | | | | +--rw intf-loopback:snmp-link-disable?  empty
| | +--rw intf-loopback:shutdown?        empty
| +--rw ip-config:ip
| | +--rw ip-config:ip-config
| | | +--rw ip-config:address* [address]
| | | | +--rw ip-config:address    union
| | +--rw isis:intf-router-isis

```

```

|   |   | +--rw isis:int-router-isis
|   |   |   +--rw isis:interface-ip-router-isis?   empty
|   |   +--rw ospf:interface-loopback-ospf-conf
|   |   |   +--rw ospf:ospf1
|   |   |   |   +--rw ospf:area?                   ospf-area-id
|   |   |   |   +--rw ospf:auth-change-wait-time?   common-def:time-interval-sec
|   |   |   |   +--rw ospf:authentication-key
|   |   |   |   |   +--rw ospf:no-encrypt-auth-key-table
|   |   |   |   |   |   +--rw ospf:no-encrypt-auth-key?   ospf-auth-psswd-string
|   |   |   |   |   |   +--rw ospf:auth-key-table
|   |   |   |   |   |   |   +--rw ospf:encrypttype?   key-type
|   |   |   |   |   |   |   +--rw ospf:auth-key?       ospf-auth-psswd-string
|   |   |   |   +--rw ospf:authentication
|   |   |   |   |   +--rw ospf:key-chain?   ospf-keychain-string
|   |   |   |   +--rw ospf:hello-interval?   common-def:time-interval-sec
|   |   |   |   +--rw ospf:dead-interval?    common-def:time-interval-sec
|   |   |   |   +--rw ospf:retransmit-interval?  common-def:time-interval-sec
|   |   |   |   +--rw ospf:transmit-delay?    common-def:time-interval-sec
|   |   |   |   +--rw ospf:md5-authentication
|   |   |   |   |   +--rw ospf:key-activation-wait-time?  common-def:time-interval-sec
|   |   |   |   |   +--rw ospf:no-encrypt-key-table
|   |   |   |   |   |   +--rw ospf:no-encrypt-key-id?   uint32
|   |   |   |   |   |   +--rw ospf:no-encrypt-key?     ospf-auth-psswd-string
|   |   |   |   |   |   +--rw ospf:key-table
|   |   |   |   |   |   |   +--rw ospf:key-id?         uint32
|   |   |   |   |   |   |   +--rw ospf:key?           key-type
|   |   |   |   |   |   |   +--rw ospf:md5-authentication-key?  ospf-auth-psswd-string
|   |   |   |   +--rw ospf:cost?                 uint32
|   |   |   |   +--rw ospf:network?              enumeration
|   |   |   |   +--rw ospf:intf-ldp-sync?        enumeration
|   |   |   |   +--rw ospf:database-filter
|   |   |   |   |   +--rw ospf:all-out?           empty
|   |   |   |   |   +--rw ospf:all-external?     database-filter-options
|   |   |   |   |   +--rw ospf:all-summary-external?  database-filter-options
|   |   |   |   +--rw ospf:mtu-ignore?          empty
|   |   |   |   +--rw ospf:active?              empty
|   |   |   |   +--rw ospf:passive?            empty
|   |   |   |   +--rw ospf:priority?           uint32
|   |   |   |   +--rw ospf:bfd
|   |   |   |   |   +--rw ospf:intf-bfd-enable?   empty
|   |   +--rw pim:pim-intf-loopback-cont
|   |   |   +--rw pim:pim-int-cmd
|   |   |   |   +--rw pim:pim-sparse?           empty
|   |   |   |   +--rw pim:pim
|   |   |   |   |   +--rw pim:neighbor-filter?   ip-prefix-name-t
|   |   |   |   |   +--rw pim:dr-priority?     uint32
|   |   |   |   |   +--rw pim:ttl-threshold?   uint32
|   |   |   |   +--rw pim:mcast-bdry-prefix-list?  ip-prefix-name-t
|   +--rw ipv6-config:ipv6
|   |   +--rw ipv6-config:ipv6-config
|   |   |   +--rw ipv6-config:address
|   |   |   |   +--rw ipv6-config:use-link-local-only?   empty
|   |   |   |   +--rw ipv6-config:link-local-config
|   |   |   |   |   +--rw ipv6-config:link-local-address?  inet:ipv6-address
|   |   |   |   |   +--rw ipv6-config:link-local?         empty
|   |   |   |   +--rw ipv6-config:ipv6-address* [address]
|   |   |   |   |   +--rw ipv6-config:address            union
|   |   |   |   |   +--rw ipv6-config:eui64?            empty
|   |   |   |   |   +--rw ipv6-config:anycast?          empty
|   |   +--rw isis:intf-ipv6-router-isis
|   |   |   +--rw isis:int-ipv6-router-isis
|   |   |   |   +--rw isis:interface-ipv6-router-isis?   empty
|   +--rw ospfv3:interface-ospfv3-conf
|   |   +--rw ospfv3:interface-area?           ospf:ospf-area-id

```

```

| | | +--rw ospfv3:active? empty
| | | +--rw ospfv3:passive? empty
| | | +--rw ospfv3:bfd
| | | | +--rw ospfv3:bfd-enable? empty
| | | +--rw ospfv3:cost? uint32
| | | +--rw ospfv3:instance? uint32
| | | +--rw ospfv3:mtu-ignore? empty
| | | +--rw ospfv3:network? enumeration
| | | +--rw ospfv3:priority? uint32
| | | +--rw ospfv3:suppress-linklsa? empty
| | | +--rw ospfv3:authentication
| | | | +--rw ospfv3:key-chain? string
| | | | +--rw ospfv3:ipsec-auth-key-config
| | | | | +--rw ospfv3:spi? spi-value-type
| | | | | +--rw (ospfv3:ch-algorithm)?
| | | | | | +---:(ospfv3:ca-ah-algorithm)
| | | | | | | +--rw ospfv3:ah? algorithm-type-ah
| | | | | | | +--rw ospfv3:ah-key? ipsec-authentication-hexkey-
string
| | | | | | | +---:(ospfv3:ca-esp-algorithm)
| | | | | | | +--rw ospfv3:esp? algorithm-type-esp
| | | | | | | +--rw ospfv3:esp-auth? algorithm-type-ah
| | | | | | | +--rw ospfv3:esp-auth-key? ipsec-authentication-hexkey-
string
| | | | +--rw ospfv3:ipsec
| | | | | +--rw ospfv3:ipsec-authentication-disable? empty
| | | | | +--rw ospfv3:ifc-key-add-remove-interval? common-def:time-
interval-sec
| | | | +--rw ospfv3:link-interval-properties
| | | | | +--rw ospfv3:hello-interval? common-def:time-interval-sec
| | | | | +--rw ospfv3:dead-interval? common-def:time-interval-sec
| | | | | +--rw ospfv3:hello-jitter? uint32
| | | | | +--rw ospfv3:retransmit-interval? common-def:time-interval-sec
| | | | | +--rw ospfv3:transmit-delay? common-def:time-interval-sec
| | | +--rw pim:pim-intf-loopback-cont
| | | | +--rw pim:ipv6-pim-int-cmd
| | | | | +--rw pim:pim-sparse? empty
| | | | | +--rw pim:pim
| | | | | | +--rw pim:neighbor-filter? ip-prefix-name-t
| | | | | | +--rw pim:dr-priority? uint32
| | | | | | +--rw pim:ttl-threshold? uint32
| | | | | +--rw pim:mcast-bdry-prefix-list? ip-prefix-name-t
| | +--rw isis:intf-isis!
| | | +--rw isis:interface-isis
| | | | +--rw isis:auth-check
| | | | | +--rw isis:auth-check-level1
| | | | | | +--rw isis:interface-auth-check-level1-disable? empty
| | | | | +--rw isis:auth-check-level2
| | | | | | +--rw isis:interface-auth-check-level2-disable? empty
| | | | +--rw isis:interface-reverse-metric!
| | | | | +--rw isis:rev-metric-common-attributes
| | | | | | +--rw isis:rev-metric-val? uint32
| | | | | | +--rw isis:rev-metric-whole-lan? empty
| | | | | | +--rw isis:rev-metric-te-def-metric? empty
| | | | +--rw isis:interface-auth-mode
| | | | | +--rw isis:interface-md5
| | | | | | +--rw isis:interface-auth-mode-md5-level1? empty
| | | | | | +--rw isis:interface-auth-mode-md5-level2? empty
| | | | +--rw isis:interface-auth-key* [interface-auth-key-level]
| | | | | +--rw isis:interface-auth-key-level enumeration
| | | | | +--rw isis:interface-auth-key-str? string
| | | +--rw isis:interface-hello
| | | | +--rw isis:interface-hello-padding
| | | | | +--rw isis:interface-hello-padding-disable? empty

```

```

|         +--rw isis:interface-hello-interval* [interface-hello-interval-level]
|         | +--rw isis:interface-hello-interval-level enumeration
|         | +--rw isis:interface-hello-interval-val? uint32
|         +--rw isis:interface-hello-multiplier* [interface-hello-multiplier-level]
|         | +--rw isis:interface-hello-multiplier-level enumeration
|         | +--rw isis:interface-hello-multiplier-val? uint32
|         +--rw isis:circuit-type? enumeration
|         +--rw isis:interface-ipv6
|         | +--rw isis:interface-ipv6-metric* [interface-ipv6-metric-level]
|         | | +--rw isis:interface-ipv6-metric-level enumeration
|         | | +--rw isis:interface-ipv6-metric-val? uint32
|         +--rw isis:interface-metric* [interface-metric-level]
|         | +--rw isis:interface-metric-level enumeration
|         | +--rw isis:interface-metric-val? uint32
|         +--rw isis:interface-point-to-point? empty
|         +--rw isis:interface-passive? empty
|         +--rw isis:interface-priority
|         | +--rw isis:interface-priority-level1? uint32
|         | +--rw isis:interface-priority-level2? uint32
|         +--rw isis:interface-bfd
|         | +--rw isis:interface-bfd-enable? empty
|         +--rw isis:interface-ldp-sync? enumeration
|         +--rw isis:segment-routing
|         | +--rw isis:interface-segment-routing-disable? empty
|         +--rw isis:segment-routing-prefix-sid
|         | +--rw isis:sr-prefix-sid-value? uint32
+--rw bgp:evpn-config
|   +--rw bgp:evpn
|     +--rw bgp:evpn-instance* [instance-name]
|     | +--rw bgp:instance-name evpn-type
|     | +--rw bgp:route-target
|     | | +--rw bgp:both* [target-community]
|     | | | +--rw bgp:target-community rt-type
|     | | | +--rw bgp:ignore-as? empty
|     | | +--rw bgp:export* [target-community]
|     | | | +--rw bgp:target-community rt-type
|     | | +--rw bgp:import* [target-community]
|     | | | +--rw bgp:target-community rt-type
|     | | | +--rw bgp:ignore-as? empty
|     +--rw bgp:route-distinguisher
|     | +--rw (bgp:ch-rd-type)?
|     | | +--:(bgp:ca-rd-auto)
|     | | | +--rw bgp:auto? empty
|     +--rw bgp:duplicate-mac-timer
|     | +--rw bgp:duplicate-mac-timer-value? dup-mac-timer
|     | +--rw bgp:max-count? max-count
|     +--rw bgp:bridge-domain
|     | +--rw bgp:bd-add
|     | | +--rw bgp:bd-range-add? bridge-domain:ui32-bridge-domain-20k-
range
|     | | +--rw bgp:bd-range-remove? bridge-domain:ui32-bridge-domain-20k-
range
|     | | +--rw bgp:evpn-bd* [bd-number]
|     | | +--rw bgp:bd-number bridge-domain:bridge-domain-id-type
|     | | +--rw bgp:rd? rd-type
|     | | +--rw bgp:route-target
|     | | | +--rw bgp:import* [target-community]
|     | | | | +--rw bgp:target-community rd-rt-type
|     | | | +--rw bgp:export* [target-community]
|     | | | | +--rw bgp:target-community rd-rt-type
|     | | | +--rw bgp:both* [target-community]
|     | | | | +--rw bgp:target-community rd-rt-type
|     +--rw bgp:vlan
|     | +--rw bgp:vlan-add

```

```

| | | +--rw bgp:add?      interface:ui32-vlan-20k-range
| | | +--rw bgp:remove?  interface:ui32-vlan-20k-range
| | | +--rw bgp:evpn-vlan* [vlan-number]
| | |   +--rw bgp:vlan-number  interface:vlan-type
| | |   +--rw bgp:rd?          rd-type
| | |   +--rw bgp:route-target
| | |     +--rw bgp:import* [target-community]
| | |     | +--rw bgp:target-community  rd-rt-type
| | |     +--rw bgp:export* [target-community]
| | |     | +--rw bgp:target-community  rd-rt-type
| | |     +--rw bgp:both* [target-community]
| | |     +--rw bgp:target-community  rd-rt-type
| | +--rw bgp:core-isolation-disable?  empty
+--rw bgp:prefix-independent-convergence!
+--rw ip-policy:route-map* [name action-rm instance]
  +--rw ip-policy:name          route-map-name-type-t
  +--rw ip-policy:action-rm     action-t
  +--rw ip-policy:instance      instance-id-t
  +--rw ip-policy:content
    +--rw ip-policy:match
      +--rw ip-policy:uda?          common-def:name-string63
      +--rw ip-policy:vrf?         common-def:vrf-name
      +--rw ip-policy:rpki
      | +--rw ip-policy:rpki-state-type?  enumeration
      +--rw ip-policy:additional-paths
      | +--rw ip-policy:advertise-set
      | | +--rw ip-policy:all?          empty
      | | +--rw ip-policy:best?        uint32
      | | +--rw ip-policy:best-range
      | | | +--rw ip-policy:range-start?  uint32
      | | | +--rw ip-policy:range-end?   uint32
      | | +--rw ip-policy:group-best?   empty
      +--rw ip-policy:interface
      | +--rw ip-policy:ethernet-rmm*    interface:interface-type
      | +--rw ip-policy:port-channel-rmm* interface:portchannel-type
      | +--rw ip-policy:loopback*       loopback-intf:intf-loopback-port-type
      | +--rw ip-policy:ve*             interface:ve-type
      +--rw ip-policy:ipv6
      | +--rw ip-policy:address
      | | +--rw ip-policy:ipv6-prefix-list-rmm?  match-prefix-list-name-t
      | | +--rw ip-policy:ipv6-acl-rmm?         ipv6-access-list:ipv6-l3-acl-
policy-name
      | | +--rw ip-policy:source-address?      inet:ipv6-prefix
      | | +--rw ip-policy:destination-address? inet:ipv6-prefix
      | | +--rw ip-policy:icmp-type* [compare-op value]
      | | | +--rw ip-policy:compare-op        comparison-type-t
      | | | +--rw ip-policy:value             union
      | | | +--rw ip-policy:max-value?       union
      | | | +--rw ip-policy:neq-values-flag? empty
      | | | +--rw ip-policy:neq-extra-values? string
      | | | +--rw ip-policy:empty-leaf?     empty
      | | | +--rw ip-policy:icmp-code* [compare-op value]
      | | | +--rw ip-policy:compare-op        comparison-type-t
      | | | +--rw ip-policy:value             icmp-code-t
      | | | +--rw ip-policy:max-value?       icmp-code-t
      | | | +--rw ip-policy:neq-values-flag? empty
      | | | +--rw ip-policy:neq-extra-values? string
      | | | +--rw ip-policy:empty-leaf?     empty
      | | +--rw ip-policy:flow-label* [compare-op value]
      | | | +--rw ip-policy:compare-op        comparison-type-t
      | | | +--rw ip-policy:value             flow-label-t
      | | | +--rw ip-policy:max-value?       flow-label-t
      | | | +--rw ip-policy:neq-values-flag? empty
      | | | +--rw ip-policy:neq-extra-values? string

```

```

| | | +--rw ip-policy:empty-leaf?          empty
| | +--rw ip-policy:next-hop
| | | +--rw ip-policy:ipv6-prefix-list-rmm-n?  match-prefix-list-name-t
| | +--rw ip-policy:route-source
| | | +--rw ip-policy:ipv6-prefix-list-rmrs?  string
+--rw ip-policy:ip
| | +--rw ip-policy:address
| | | +--rw ip-policy:prefix-list-rmm?  match-prefix-list-name-t
| | | +--rw ip-policy:acl-rmm?        ip-access-list:l3-acl-policy-name
| | +--rw ip-policy:source-address?      inet:ipv4-prefix
| | +--rw ip-policy:destination-address? inet:ipv4-prefix
| | +--rw ip-policy:icmp-type* [compare-op value]
| | | +--rw ip-policy:compare-op      comparison-type-t
| | | +--rw ip-policy:value          union
| | | +--rw ip-policy:max-value?     union
| | | +--rw ip-policy:neq-values-flag? empty
| | | +--rw ip-policy:neq-extra-values? string
| | | +--rw ip-policy:empty-leaf?    empty
| | +--rw ip-policy:icmp-code* [compare-op value]
| | | +--rw ip-policy:compare-op      comparison-type-t
| | | +--rw ip-policy:value          icmp-code-t
| | | +--rw ip-policy:max-value?     icmp-code-t
| | | +--rw ip-policy:neq-values-flag? empty
| | | +--rw ip-policy:neq-extra-values? string
| | | +--rw ip-policy:empty-leaf?    empty
| | +--rw ip-policy:next-hop
| | | +--rw ip-policy:prefix-list-rmm-n?  match-prefix-list-name-t
| | +--rw ip-policy:route-source
| | | +--rw ip-policy:prefix-list-rmrs?  string
+--rw ip-policy:extcommunity
| | +--rw ip-policy:extcommunity-name?  match-extcommunity-list-name-t
+--rw ip-policy:metric
| | +--rw ip-policy:metric-rmm?  metric-t
+--rw ip-policy:route-type
| | +--rw ip-policy:route-type-rmm?  match-route-type-t
+--rw ip-policy:tag
| | +--rw ip-policy:tag-rmm*  tag-t
+--rw ip-policy:as-path
| | +--rw ip-policy:as-path-access-list-name?  ip-match-as-path-name-t
+--rw ip-policy:community
| | +--rw ip-policy:community-access-list-name?  match-community-list-name-t
+--rw ip-policy:large-community
| | +--rw ip-policy:large-community-access-list-name?  match-large-
community-list-name-t
| | +--rw ip-policy:protocol
| | | +--rw ip-policy:protocol-match-list* [compare-op value]
| | | | +--rw ip-policy:compare-op      comparison-type-t
| | | | +--rw ip-policy:value          union
| | | | +--rw ip-policy:max-value?     union
| | | | +--rw ip-policy:neq-values-flag? empty
| | | | +--rw ip-policy:neq-extra-values? string
| | | | +--rw ip-policy:empty-leaf?    empty
| | | +--rw ip-policy:protocol-static-container
| | | | +--rw ip-policy:static?  empty
| | | +--rw ip-policy:bgp-protocol-container
| | | | +--rw ip-policy:protocol-bgp?  empty
| | | | +--rw ip-policy:bgp-route-type? enumeration
| | | +--rw ip-policy:isis-protocol-container
| | | | +--rw ip-policy:protocol-isis?  empty
| | | | +--rw ip-policy:match-isis-level? enumeration
| | | +--rw ip-policy:ospf-protocol-container
| | | | +--rw ip-policy:protocol-ospf?  empty
| | | | +--rw ip-policy:ospf-route-type? enumeration
+--rw ip-policy:port* [compare-op value]

```

```

| | +--rw ip-policy:compare-op      comparison-type-t
| | +--rw ip-policy:value          union
| | +--rw ip-policy:max-value?     union
| | +--rw ip-policy:neq-values-flag? empty
| | +--rw ip-policy:neq-extra-values? string
| | +--rw ip-policy:empty-leaf?    empty
+--rw ip-policy:source-port* [compare-op value]
| | +--rw ip-policy:compare-op      comparison-type-t
| | +--rw ip-policy:value          union
| | +--rw ip-policy:max-value?     union
| | +--rw ip-policy:neq-values-flag? empty
| | +--rw ip-policy:neq-extra-values? string
| | +--rw ip-policy:empty-leaf?    empty
+--rw ip-policy:destination-port* [compare-op value]
| | +--rw ip-policy:compare-op      comparison-type-t
| | +--rw ip-policy:value          union
| | +--rw ip-policy:max-value?     union
| | +--rw ip-policy:neq-values-flag? empty
| | +--rw ip-policy:neq-extra-values? string
| | +--rw ip-policy:empty-leaf?    empty
+--rw ip-policy:packet-length* [compare-op value]
| | +--rw ip-policy:compare-op      comparison-type-t
| | +--rw ip-policy:value          packet-length-t
| | +--rw ip-policy:max-value?     packet-length-t
| | +--rw ip-policy:neq-values-flag? empty
| | +--rw ip-policy:neq-extra-values? string
| | +--rw ip-policy:empty-leaf?    empty
+--rw ip-policy:dscp* [compare-op value]
| | +--rw ip-policy:compare-op      comparison-type-t
| | +--rw ip-policy:value          union
| | +--rw ip-policy:max-value?     union
| | +--rw ip-policy:neq-values-flag? empty
| | +--rw ip-policy:neq-extra-values? string
| | +--rw ip-policy:empty-leaf?    empty
+--rw ip-policy:tcp-flags* [flags-op flags-string]
| | +--rw ip-policy:flags-op        bits-match-op-type-t
| | +--rw ip-policy:flags-string    string
| | +--rw ip-policy:empty-leaf?    empty
+--rw ip-policy:fragment-type* [fragment-type-op fragment-type-string]
| | +--rw ip-policy:fragment-type-op bits-match-op-type-t
| | +--rw ip-policy:fragment-type-string string
| | +--rw ip-policy:empty-leaf?    empty
+--rw ip-policy:rule-name?          rmap-rule-name
+--rw ip-policy:next-hop-recursion? empty
+--rw ip-policy:set
| +--rw ip-policy:police
| | +--rw ip-policy:cir?            uint64
| +--rw ip-policy:sflow
| | +--rw ip-policy:default-profile? empty
+--rw ip-policy:traffic-action
| | +--rw ip-policy:traffic-action-continue? empty
+--rw ip-policy:level
| | +--rw ip-policy:set-isis-level? enumeration
+--rw ip-policy:ip
| | +--rw ip-policy:mirror* [destination]
| | | +--rw ip-policy:destination    inet:ipv4-address
| | +--rw ip-policy:dscp
| | | +--rw ip-policy:dscp-rms?      dscp-precedence
| | +--rw ip-policy:interface
| | | +--rw ip-policy:null0?         empty
| | +--rw ip-policy:next-hop
| | | +--rw ip-policy:peer-address?   empty
| | | +--rw ip-policy:next-hop-list* [next-hop-addr]
| | | | +--rw ip-policy:next-hop-addr inet:ipv4-address

```

```

| | +--rw ip-policy:global
| | | +--rw ip-policy:next-global-hop* [next-hop]
| | |   +--rw ip-policy:next-hop    inet:ipv4-address
| | +--rw ip-policy:next-vrf
| | |   +--rw ip-policy:next-vrf-list* [vrf next-hop]
| | |     +--rw ip-policy:vrf        string
| | |     +--rw ip-policy:next-hop    inet:ipv4-address
| +--rw ip-policy:ipv6
| | +--rw ip-policy:mirror* [destination]
| | |   +--rw ip-policy:destination    inet:ipv6-address
| | +--rw ip-policy:dscp
| | |   +--rw ip-policy:dscp-rms-ipv6?  dscp-precedence
| +--rw ip-policy:interface
| | +--rw ip-policy:ipv6-null0?    empty
| +--rw ip-policy:global
| | +--rw ip-policy:next-global-hop* [next-hop]
| | |   +--rw ip-policy:next-hop    inet:ipv6-address
| | +--rw ip-policy:next-ip
| | |   +--rw ip-policy:ipv6-peer-address?    empty
| | |   +--rw ip-policy:next-hop* [next-hop]
| | |     +--rw ip-policy:next-hop    inet:ipv6-address
| | +--rw ip-policy:next-vrf
| | |   +--rw ip-policy:next-vrf-list* [vrf next-hop]
| | |     +--rw ip-policy:vrf        string
| | |     +--rw ip-policy:next-hop    inet:ipv6-address
| +--rw ip-policy:extcommunity
| | +--rw ip-policy:rt
| | |   +--rw ip-policy:ASN-NN-rt?    ext-community-rt-expr-t
| | +--rw ip-policy:soo
| | |   +--rw ip-policy:ASN-NN-soo?    ext-community-soo-expr-t
| +--rw ip-policy:community
| | +--rw ip-policy:set-community-expr?    set-community-expr-t
| +--rw ip-policy:large-community
| | +--rw ip-policy:set-large-community-expr?    set-large-community-expr-t
| +--rw ip-policy:metric
| | +--rw ip-policy:delta-rms?    enumeration
| | +--rw ip-policy:metric-rms    metric-t
| +--rw ip-policy:distance
| | +--rw ip-policy:dist-rms?    distance-t
| +--rw ip-policy:tag
| | +--rw ip-policy:tag-rms?    tag-t
| +--rw ip-policy:weight
| | +--rw ip-policy:weight-value?    uint32
| +--rw ip-policy:interface* [rmap-set-interface-type rmap-set-interface-name]
| | +--rw ip-policy:rmap-set-interface-type    rmap-set-intf-type
| | +--rw ip-policy:rmap-set-interface-name    rmap-set-intf-name
| +--rw ip-policy:uda-interface-policy
| | +--rw ip-policy:interface
| | |   +--rw ip-policy:uda-null0?    empty
| +--rw ip-policy:as-path
| | +--rw ip-policy:aspath-tag?    empty
| | +--rw ip-policy:prepend?    string
| +--rw ip-policy:automatic-tag
| | +--rw ip-policy:tag-empty?    empty
| +--rw ip-policy:comm-list
| | +--rw ip-policy:comm-list-name?    ip-community-list-name-t
| | +--rw ip-policy:match-comm-delete?    empty
| +--rw ip-policy:large-community-list
| | +--rw ip-policy:large-comm-list-name?    ip-large-community-list-name-t
| | +--rw ip-policy:match-large-comm-delete?    empty
| +--rw ip-policy:dampening
| | +--rw ip-policy:half-life?    uint32
| | +--rw ip-policy:reuse?    uint32
| | +--rw ip-policy:suppress?    uint32

```

```
| | +--rw ip-policy:max-suppress-time? uint32
| +--rw ip-policy:local-preference
| | +--rw ip-policy:local-preference-value? uint32
| +--rw ip-policy:origin
| | +--rw ip-policy:origin-igp? empty
| | +--rw ip-policy:origin-incomplete? empty
| +--rw ip-policy:metric-type
|   +--rw ip-policy:internal? empty
|   +--rw ip-policy:type-1? empty
|   +--rw ip-policy:type-2? empty
+--rw ip-policy:continue-holder
  +--rw ip-policy:continue? empty
  +--rw ip-policy:continue-val? uint32
```

brocade-control-plane

Top-level container

```
module: brocade-control-plane
  +--rw control-plane
    +--rw ip
      | +--rw subnet-rate-limit
      | | +--rw cir?   rate-limit-cir
      | | +--rw cbs?   rate-limit-cbs
      | +--rw linklocal
      | +--rw trap?   enumeration
    +--rw service-policy* [direction policy-map-name]
      +--rw direction      enumeration
      +--rw policy-map-name  qos-mqc:map-name-type
```

brocade-crypto

Top-level container

```
module: brocade-crypto
  +--rw crypto-sa
  |   +--rw crypto
  |   |   +--rw key* [label]
  |   |   |   +--rw label      string
  |   |   |   +--rw type?     key-type
  |   |   |   +--rw modulus?  uint32
  |   |   +--rw cert
  |   |   |   +--rw expiry-level* [level period]
  |   |   |   |   +--rw level      severity-level
  |   |   |   |   +--rw period    uint32
  |   |   +--rw ca* [trustpoint]
  |   |   |   +--rw trustpoint    string
  |   |   |   +--rw keypair?     string
  +--rw management-security
  |   +--rw ssl-profile
  |   |   +--rw server
  |   |   |   +--rw tls
  |   |   |   |   +--rw min-version?  versionType
  |   |   +--rw client
  |   |   |   +--rw tls
  |   |   |   |   +--rw min-version?  versionType
```

brocade-crypto-ext

Top-level container

```

module: brocade-crypto-ext
  +--rw crypto
    +--rw ca
      +---x authenticate
      | | +---w input
      | |   +---w authenticate_params
      | |     +---w trustpoint    string
      | |     +---w cert-type     cert-type-enum
      | |     +---w protocol      enumeration
      | |     +---w source-ip?    inet:ip-address
      | |     +---w user          string
      | |     +---w password?     string
      | |     +---w host          inet:host
      | |     +---w directory     string
      | |     +---w use-vrf?     common-def:use-vrf
      | |     +---w file          string
      | +---x enroll
      | | +---w input
      | |   +---w authenticate_params
      | |     +---w trustpoint    string
      | |     +---w cert-type     cert-type-enum
      | |     +---w country       string
      | |     +---w state         string
      | |     +---w locality      string
      | |     +---w organization  string
      | |     +---w orgunit       string
      | |     +---w common        inet:host
      | |     +---w protocol      enumeration
      | |     +---w source-ip?    inet:ip-address
      | |     +---w user          string
      | |     +---w password?     string
      | |     +---w host          inet:host
      | |     +---w directory     string
      | |     +---w use-vrf?     common-def:use-vrf
      | +---x import
      | | +---w input
      | |   +---w authenticate_params
      | |     +---w trustpoint    string
      | |     +---w certificate    empty
      | |     +---w cert-type     cert-type-enum
      | |     +---w protocol      enumeration
      | |     +---w source-ip?    inet:ip-address
      | |     +---w user          string
      | |     +---w password?     string
      | |     +---w host          inet:host
      | |     +---w directory     string
      | |     +---w use-vrf?     common-def:use-vrf
      | |     +---w file          string
      | +---x import-pkcs
      | | +---w input
      | |   +---w authenticate_params
      | |     +---w type          enumeration
      | |     +---w cert-type     cert-type-enum-pkcs
      | |     +---w protocol      enumeration
      | |     +---w source-ip?    inet:ip-address
      | |     +---w user          string
      | |     +---w password?     string
      | |     +---w host          inet:host

```

```

|         +---w directory          string
|         +---w use-vrf?           common-def:use-vrf
|         +---w file                string
|         +---w pkcs-passphrase?   string
+--rw import
+---x ldapca
| +---w input
|   +---w protocol                 enumeration
|   +---w source-ip?              inet:ip-address
|   +---w user                     string
|   +---w password?               string
|   +---w host                     inet:host
|   +---w directory                string
|   +---w use-vrf?                 common-def:use-vrf
|   +---w file                     string
+---x syslogca
| +---w input
|   +---w protocol                 enumeration
|   +---w source-ip?              inet:ip-address
|   +---w user                     string
|   +---w password?               string
|   +---w host                     inet:host
|   +---w directory                string
|   +---w use-vrf?                 common-def:use-vrf
|   +---w file                     string
+---x radiusca
| +---w input
|   +---w protocol                 enumeration
|   +---w source-ip?              inet:ip-address
|   +---w user                     string
|   +---w password?               string
|   +---w host                     inet:host
|   +---w directory                string
|   +---w use-vrf?                 common-def:use-vrf
|   +---w file                     string
+---x sshx509v3ca
| +---w input
|   +---w protocol                 enumeration
|   +---w source-ip?              inet:ip-address
|   +---w user                     string
|   +---w password?               string
|   +---w host                     inet:host
|   +---w directory                string
|   +---w use-vrf?                 common-def:use-vrf
|   +---w file                     string
+---x oauth2pkicert
| +---w input
|   +---w protocol                 enumeration
|   +---w source-ip?              inet:ip-address
|   +---w user                     string
|   +---w password?               string
|   +---w host                     inet:host
|   +---w directory                string
|   +---w use-vrf?                 common-def:use-vrf
|   +---w file                     string
+---x httpsclientca
| +---w input
|   +---w protocol                 enumeration
|   +---w source-ip?              inet:ip-address
|   +---w user                     string
|   +---w password?               string
|   +---w host                     inet:host
|   +---w directory                string
|   +---w use-vrf?                 common-def:use-vrf

```

```
|      +---w file          string
+---x gnmiclientca
  +---w input
    +---w protocol        enumeration
    +---w source-ip?      inet:ip-address
    +---w user            string
    +---w password?       string
    +---w host            inet:host
    +---w directory       string
    +---w use-vrf?        common-def:use-vrf
    +---w file            string
```

brocade-dai

Top-level container

```
module: brocade-dai
  +--rw dai-config
    +--rw arp
      +---rw access-list* [acl-name]
        +--rw acl-name    dai-acl-policy-name
        +--rw permit
          +---rw permit-list* [ip-type host-ip mac-type host-mac]
            +--rw ip-type    enumeration
            +--rw host-ip    inet:ipv4-address
            +--rw mac-type   enumeration
            +--rw host-mac   string
```

brocade-diagnostics

This data model enables or disables power-on self-test (POST) and actions to initiate the tests listed in [Table 5](#).

Table 5: Diagnostic actions

Action	Purpose
burninerrclear	Clears the errors that are stored in the nonvolatile storage on the slot during the burn-in process.
clearerror	Clears the diagnostics failure status.
portledtest	Runs various action modes on the port LEDs and validates the functionality.
portloopbacktest	Sends frames between various ASICs on the switch and validates the ASIC functionality.
post	Performs power-on self-test.
prbstest	Performs pseudo-random binary-sequence tests.
setcycle	Configures all the parameters required for the system verification test.
setdbg	Changes the debug level.
systemverification	Runs a combination of various hardware diagnostic tests.
turboramtest	Performs a turbo static RAM (SRAM) test of the ASIC chips.

Top-level container

```

module: brocade-diagnostics
  +--rw diag
    +---x diag-install
      +--ro output
        +--ro diag-install-msg?  string
  
```

brocade-dotlag

Top-level container

```

module: brocade-dotlag
  +--rw cfm-config
    +--rw protocol
      +--rw cfm!
        +--rw y1731!
          | +--rw test-profile* [test-profile]
          | | +--rw test-profile      string
          | | +--rw profile-type?    y1731-profile-type
          | | +--rw test-profile-params
          | |   +--rw tx-interval?    y1731-profile-tx-interval
          | |   +--rw measurement-interval? uint32
          | |   +--rw cos?            uint8
          | |   +--rw tx-frame-count? uint32
          | |   +--rw timeout?        uint8
          | |   +--rw start
          | |     +--rw start-type?    schedule-type
          | |     | +--rw start-time?  time-in-hhmmss
          | |     | +--rw start-periodic? y1731-start-periodic
          | |   +--rw stop
          | |     +--rw stop-type?     schedule-type
          | |     +--rw stop-time?     time-in-hhmmss
          | |   +--rw slm-threshold
          | |     +--rw forward
          | |       | +--rw thr-fwd-avg-value? uint32
          | |       | +--rw thr-fwd-max-value? uint32
          | |       +--rw backward
          | |         +--rw thr-bwd-avg-value? uint32
          | |         +--rw thr-bwd-max-value? uint32
          | |   +--rw dmm-threshold
          | |     +--rw thr-avg-value?  uint32
          | |     +--rw thr-max-value?  uint32
          | +--rw action-profile-name* [action-profile-name]
          |   +--rw action-profile-name string
          |   +--rw event
          |     +--rw ccm-up
          |       | +--rw ccm-up-actions?  action-profile-bitmap
          |     +--rw ccm-down
          |       | +--rw ccm-down-actions? action-profile-bitmap
          |     +--rw avg-threshold
          |       | +--rw avg-threshold-actions? action-profile-bitmap
          |     +--rw max-threshold
          |       +--rw max-threshold-actions? action-profile-bitmap
          +--rw domain-name* [domain-name]
            +--rw domain-name      string
            +--rw domain-id        uint32
            +--rw domain-level     uint32
            +--rw ma-name* [ma-name]
              +--rw ma-name        string
              +--rw ma-id          uint32
              +--rw (vid-type)?
              | +--:(vlan)
              | | +--rw ma-vlan-vid?    uint32
              | +--:(bridgeDomain)
              | | +--rw ma-bd-vid?      uint32
              +--rw ma-priority?     uint32
            +--rw cfm-ma-sub-commands
              +--rw ccm-interval?    ccm-interval-type
              +--rw mip-policy?      mip-policy-type

```

```

+--rw maid-icc-format
| +--rw icc-name?  string
| +--rw umc-name?  string
+--rw maid-format?      maid-format-type
+--rw mep* [mep-id]
  +--rw mep-id          uint32
  +--rw mep-down-up    mep-down-up-type
  +--rw vlan?          uint32
  +--rw inner-vlan?    uint32
  +--rw mep-intf-type? dotlag-interface-type
  +--rw mep-intf-name? dotlag-interface-name
  +--rw cfm-mep-sub-commands
    +--rw tlv-type?    ccm-tlv-type
    +--rw client-interface
      | +--rw client-intf-type?  dotlag-interface-type
      | +--rw client-intf-name?  dotlag-interface-name
      | +--rw csf-type?          eth-csf-type
      | +--rw tx-period?        csf-tx-period
    +--rw remote-mep* [remote-mep]
      +--rw remote-mep          uint32
      +--rw rmep-test-profile* [rmep-test-profile mode]
        | +--rw rmep-test-profile  string
        | +--rw mode                y1731-profile-mode
      +--rw action-profile-association?  string

```

brocade-dot1x

IEEE 802.1X is an IEEE standard for port-based Network Access Control (PNAC). It is a networking protocol that provides an authentication mechanism to devices attempting to attach to a LAN or WLAN. IEEE 802.1X defines the encapsulation of the Extensible Authentication Protocol (EAP) over IEEE 802, which is known as EAP over LAN or EAPoL.

802.1X involves three parties:

- Supplicant—A device that connects to a network
- Authenticator—A network device such as an Ethernet switch
- Authentication server—A host running software that supports RADIUS and EAP

This module defines the parameters used for the PNAC.

Top-level container

```
module: brocade-dot1x
  +--rw dot1x
    +--rw enable?   empty
    +--rw test
      +--rw timeout?  dot1x-readinessstest-timeout-interval
```

External augmentations

```
module: brocade-interface
  +--rw dot1x:dot1x
    | | | +--rw dot1x:authentication?      empty
    | | | +--rw dot1x:port-control?       enumeration
    | | | +--rw dot1x:protocol-version?   uint32
    | | | +--rw dot1x:quiet-period?      uint32
    | | | +--rw dot1x:reauthMax?         uint32
    | | | +--rw dot1x:max-req?           uint32
    | | | +--rw dot1x:reauthentication?   empty
    | | | +--rw dot1x:filter-strict-security? empty
    | | | +--rw dot1x:timeout
    | | |   +--rw dot1x:re-authperiod?    dot1x-reauth-timeout-interval
    | | |   +--rw dot1x:server-timeout?   dot1x-server-timeout-interval
    | | |   +--rw dot1x:supp-timeout?     dot1x-supp-timeout-interval
    | | |   +--rw dot1x:tx-period?       dot1x-tx-timeout-interval
```

brocade-entity

RPCs

```
module: brocade-entity
rpcs:
  +---x get-contained-in-ID
    +--ro output
      +--ro contained-in-ID?   common-def:name-string64
```

brocade-event-handler

Top-level container

```

module: brocade-event-handler
  +--rw event-handler
    +--rw event-handler-list* [name]
      | +--rw name          common-def:name-string32
      | +--rw description? string
      | +--rw trigger* [trigger-id]
      | | +--rw trigger-id  uint32
      | | +--rw (trigger-choice)?
      | |   +--:(raslog)
      | |     +--rw raslog
      | |       +--rw raslog?    common-def:name-string32
      | |       +--rw pattern?   string
      | +--rw action
      |   +--rw (action-choice)?
      |   +--:(python-script)
      |     +--rw python-script? common-def:name-string32
    +---x abort
      | +---w input
      |   +---w action    common-def:name-string32
    +--rw activate
      +--rw name* [name]
        +--rw name          common-def:name-string32
        +--rw delay?        uint32
        +--rw iterations?   uint32
        +--rw interval?     uint32
        +--rw trigger-mode? enumeration
        +--rw trigger-function
          | +--rw trigger-function? enumeration
          | +--rw time-window    uint32
          +--rw action-timeout? uint32
  
```

brocade-erp

Top-level container

```

module: brocade-erp
  +--rw erp* [erp-id]
    +--rw erp-id          uint16
    +--rw left-interface
      | +--rw left-interface-vlan?  uint32
      | +--rw left-intf-type?      erp-interface-type
      | +--rw left-intf-name?     erp-interface-name
    +--rw right-interface
      | +--rw right-interface-vlan? uint32
      | +--rw right-intf-type?     erp-interface-type
      | +--rw right-intf-name?    erp-interface-name
    +--rw dotlag-compliance
      | +--rw dotlag-left-interface
      | | +--rw dotlag-left-domain-name? string
      | | +--rw dotlag-left-ma-name?    string
      | | +--rw dotlag-left-mep?       uint32
      | | +--rw dotlag-left-rmep-id?   uint32
      | +--rw dotlag-right-interface
      | | +--rw dotlag-right-domain-name? string
      | | +--rw dotlag-right-ma-name?   string
      | | +--rw dotlag-right-mep?      uint32
      | | +--rw dotlag-right-rmep-id?  uint32
    +--rw rpl-owner?      empty
    +--rw version?       uint32
    +--rw raps-mel?      uint8
    +--rw raps-default-mac? empty
    +--rw sub-ring!
      | +--rw parent-ring-id?  uint32
    +--rw raps-propagate-tc? empty
    +--rw non-revertive-mode? empty
    +--rw fast-wtr-time?     empty
    +--rw rpl
      | +--rw rpl-vlan?      uint32
      | +--rw rpl-intf-type? erp-interface-type
      | +--rw rpl-intf-name? erp-interface-name
    +--rw force-switch
      | +--rw fs-vlan?      uint32
      | +--rw fs-intf-type? erp-interface-type
      | +--rw fs-intf-name? erp-interface-name
    +--rw guard-time?      uint32
    +--rw wtr-time?       uint32
    +--rw wtb-time?       uint32
    +--rw holdoff-time?   uint32
    +--rw message-interval? uint32
    +--rw enable?        empty
    +--rw manual-switch
      | +--rw ms-vlan?      uint32
      | +--rw ms-intf-type? erp-interface-type
      | +--rw ms-intf-name? erp-interface-name
    +--rw name?           string
    +--rw fast-convergence? empty
  
```

brocade-firmware

This module supports the custom actions listed in the table below.

Table 6: Custom actions for firmware version management

Action	Purpose
<ftp>	Download firmware with FTP.
<scp>	Download firmware with SCP.
<usb>	Download firmware from a USB device.
<interactive>	Download firmware interactively.
<commit>	Commits a firmware upgrade after evaluation.
<restore>	Restores a firmware version.
<sync>	Synchronizes the firmware with its peer.
<fastboot>	Reboots the control processor (CP), bypassing the power-on self-test (POST).

Top-level container

```

module: brocade-firmware
  +--rw firmware
  |   +--rw download
  |   |   +---x ftp
  |   |   |   +---w input
  |   |   |   |   +---w user          string
  |   |   |   |   +---w password?    string
  |   |   |   |   +---w host          string
  |   |   |   |   +---w directory    string
  |   |   |   |   +---w file?        string
  |   |   |   |   +---w (options)?
  |   |   |   |   |   +--:(manual)
  |   |   |   |   |   |   +---w manual?      empty
  |   |   |   |   |   |   +---w noreboot?    empty
  |   |   |   |   |   |   +---w nocommit?    empty
  |   |   |   |   |   |   +--:(noactivate)
  |   |   |   |   |   |   |   +---w noactivate?  empty
  |   |   |   |   |   |   |   +--:(coldboot)
  |   |   |   |   |   |   |   |   +---w coldboot?  empty
  |   |   |   |   |   |   |   +---w use-vrf?      common-def:use-vrf
  |   |   |   |   |   |   |   +--ro output
  |   |   |   |   |   |   |   |   +---ro fwdl-tid?    int32
  |   |   |   |   |   |   |   |   +---ro fwdl-status?  int32
  |   |   |   |   |   |   |   |   +---ro fwdl-msg?    string
  |   |   |   |   |   |   |   +---x scp
  |   |   |   |   |   |   |   |   +---w input
  |   |   |   |   |   |   |   |   |   +---w user          string
  |   |   |   |   |   |   |   |   |   +---w password?    string
  |   |   |   |   |   |   |   |   |   +---w host          string
  |   |   |   |   |   |   |   |   |   +---w directory    string
  |   |   |   |   |   |   |   |   |   +---w file?        string
  |   |   |   |   |   |   |   |   |   +---w (options)?
  |   |   |   |   |   |   |   |   |   |   +--:(manual)
  |   |   |   |   |   |   |   |   |   |   |   +---w manual?      empty
  |   |   |   |   |   |   |   |   |   |   |   +---w noreboot?    empty
  |   |   |   |   |   |   |   |   |   |   |   +---w nocommit?    empty

```

```

| | | | | +--:(noactivate)
| | | | | | +---w noactivate? empty
| | | | | +--:(coldboot)
| | | | | | +---w coldboot? empty
| | | | | +---w use-vrf? common-def:use-vrf
| | | | +--ro output
| | | | | +---ro fwdl-tid? int32
| | | | | +---ro fwdl-status? int32
| | | | | +---ro fwdl-msg? string
| | | +----x http
| | | | +---w input
| | | | | +---w host string
| | | | | +---w directory string
| | | | | +---w file? string
| | | | | +---w (options)?
| | | | | | +--:(manual)
| | | | | | | +---w manual? empty
| | | | | | | +---w noreboot? empty
| | | | | | | +---w nocommit? empty
| | | | | | +--:(noactivate)
| | | | | | | +---w noactivate? empty
| | | | | | +--:(coldboot)
| | | | | | | +---w coldboot? empty
| | | | | +---ro output
| | | | | | +---ro fwdl-tid? int32
| | | | | | +---ro fwdl-status? int32
| | | | | | +---ro fwdl-msg? string
| | | +----x tftp
| | | | +---w input
| | | | | +---w host string
| | | | | +---w directory string
| | | | | +---w file? string
| | | | | +---w (options)?
| | | | | | +--:(manual)
| | | | | | | +---w manual? empty
| | | | | | | +---w noreboot? empty
| | | | | | | +---w nocommit? empty
| | | | | | +--:(noactivate)
| | | | | | | +---w noactivate? empty
| | | | | | +--:(coldboot)
| | | | | | | +---w coldboot? empty
| | | | | | +---w use-vrf? common-def:use-vrf
| | | | | +---ro output
| | | | | | +---ro fwdl-tid? int32
| | | | | | +---ro fwdl-status? int32
| | | | | | +---ro fwdl-msg? string
| | | +----x sftp
| | | | +---w input
| | | | | +---w user string
| | | | | +---w password? string
| | | | | +---w host string
| | | | | +---w directory string
| | | | | +---w file? string
| | | | | +---w (options)?
| | | | | | +--:(manual)
| | | | | | | +---w manual? empty
| | | | | | | +---w noreboot? empty
| | | | | | | +---w nocommit? empty
| | | | | | +--:(noactivate)
| | | | | | | +---w noactivate? empty
| | | | | | +--:(coldboot)
| | | | | | | +---w coldboot? empty
| | | | | | +---w port? int32
| | | | | | +---w host-key-check? empty

```

```

| | | | +---w use-vrf?          common-def:use-vrf
| | | | +---ro output
| | | |   +---ro fwdl-tid?      int32
| | | |   +---ro fwdl-status?   int32
| | | |   +---ro fwdl-msg?      string
| | | +----x usb
| | | | +---w input
| | | | | +---w directory      string
| | | | | +---w (options)?
| | | | |   +---:(manual)
| | | | | | +---w manual?      empty
| | | | | | +---w noreboot?    empty
| | | | | | +---w nocommit?    empty
| | | | |   +---:(noactivate)
| | | | | | +---w noactivate?  empty
| | | | |   +---:(coldboot)
| | | | | | +---w coldboot?    empty
| | | | +---ro output
| | | |   +---ro fwdl-tid?      int32
| | | |   +---ro fwdl-status?   int32
| | | |   +---ro fwdl-msg?      string
| | | +----x interactive
| | | | +---ro output
| | | | | +---ro result?      string
| | | +---rw default-config
| | | | +----x ftp
| | | | | +---w input
| | | | | | +---w user          string
| | | | | | +---w password?    string
| | | | | | +---w host          string
| | | | | | +---w directory    string
| | | | | | +---w file?         string
| | | | | | +---w manual?      empty
| | | | | | +---w noreboot?    empty
| | | | | | +---w use-vrf?     common-def:use-vrf
| | | | | +---ro output
| | | | |   +---ro fwdl-tid?    int32
| | | | |   +---ro fwdl-status? int32
| | | | |   +---ro fwdl-msg?    string
| | | | +----x scp
| | | | | +---w input
| | | | | | +---w user          string
| | | | | | +---w password?    string
| | | | | | +---w host          string
| | | | | | +---w directory    string
| | | | | | +---w file?         string
| | | | | | +---w manual?      empty
| | | | | | +---w noreboot?    empty
| | | | | | +---w use-vrf?     common-def:use-vrf
| | | | | +---ro output
| | | | |   +---ro fwdl-tid?    int32
| | | | |   +---ro fwdl-status? int32
| | | | |   +---ro fwdl-msg?    string
| | | | +----x sftp
| | | | | +---w input
| | | | | | +---w user          string
| | | | | | +---w password?    string
| | | | | | +---w host          string
| | | | | | +---w directory    string
| | | | | | +---w file?         string
| | | | | | +---w manual?      empty
| | | | | | +---w noreboot?    empty
| | | | | | +---w use-vrf?     common-def:use-vrf
| | | | | +---ro output

```

```

| | | |      +--ro fwdl-tid?      int32
| | | |      +--ro fwdl-status?  int32
| | | |      +--ro fwdl-msg?     string
| | | |      +---x http
| | | |      | +---w input
| | | |      | | +---w host      string
| | | |      | | +---w directory string
| | | |      | | +---w file?     string
| | | |      | | +---w manual?   empty
| | | |      | | +---w noreboot? empty
| | | |      | +--ro output
| | | |      |   +--ro fwdl-tid?  int32
| | | |      |   +--ro fwdl-status? int32
| | | |      |   +--ro fwdl-msg?  string
| | | |      +---x tftp
| | | |      | +---w input
| | | |      | | +---w host      string
| | | |      | | +---w directory string
| | | |      | | +---w file?     string
| | | |      | | +---w manual?   empty
| | | |      | | +---w noreboot? empty
| | | |      | | +---w use-vrf?   common-def:use-vrf
| | | |      | +--ro output
| | | |      |   +--ro fwdl-tid?  int32
| | | |      |   +--ro fwdl-status? int32
| | | |      |   +--ro fwdl-msg?  string
| | | |      +---x usb
| | | |      | +---w input
| | | |      | | +---w directory string
| | | |      | | +---w manual?   empty
| | | |      | | +---w noreboot? empty
| | | |      | +--ro output
| | | |      |   +--ro fwdl-tid?  int32
| | | |      |   +--ro fwdl-status? int32
| | | |      |   +--ro fwdl-msg?  string
| | | |      +---rw migrate
| | | |      | +---x scp
| | | |      | | +---w input
| | | |      | | | +---w user      string
| | | |      | | | +---w password? string
| | | |      | | | +---w host      string
| | | |      | | | +---w directory string
| | | |      | | | +---w file?     string
| | | |      | | | +---w manual?   empty
| | | |      | | | +---w noreboot? empty
| | | |      | | | +---w use-vrf?   common-def:use-vrf
| | | |      | | | +---w new-nos-cfg? string
| | | |      | | +--ro output
| | | |      | |   +--ro fwdl-tid?  int32
| | | |      | |   +--ro fwdl-status? int32
| | | |      | |   +--ro fwdl-msg?  string
| | | |      +---x ftp
| | | |      | +---w input
| | | |      | | +---w user      string
| | | |      | | +---w password? string
| | | |      | | +---w host      string
| | | |      | | +---w directory string
| | | |      | | +---w file?     string
| | | |      | | +---w manual?   empty
| | | |      | | +---w noreboot? empty
| | | |      | | +---w use-vrf?   common-def:use-vrf
| | | |      | | +---w new-nos-cfg? string
| | | |      | +--ro output
| | | |      |   +--ro fwdl-tid?  int32

```

```

| | | |      +---ro fwdl-status?  int32
| | | |      +---ro fwdl-msg?    string
| | | | +---x sftp
| | | | | +---w input
| | | | | | +---w user            string
| | | | | | +---w password?     string
| | | | | | +---w host           string
| | | | | | +---w directory     string
| | | | | | +---w file?         string
| | | | | | +---w manual?       empty
| | | | | | +---w noreboot?     empty
| | | | | | +---w use-vrf?      common-def:use-vrf
| | | | | | +---w new-nos-cfg?  string
| | | | | +---ro output
| | | | | | +---ro fwdl-tid?    int32
| | | | | | +---ro fwdl-status? int32
| | | | | | +---ro fwdl-msg?    string
| | | | +---x tftp
| | | | | +---w input
| | | | | | +---w host           string
| | | | | | +---w directory     string
| | | | | | +---w file?         string
| | | | | | +---w manual?       empty
| | | | | | +---w noreboot?     empty
| | | | | | +---w use-vrf?      common-def:use-vrf
| | | | | | +---w new-nos-cfg?  string
| | | | | +---ro output
| | | | | | +---ro fwdl-tid?    int32
| | | | | | +---ro fwdl-status? int32
| | | | | | +---ro fwdl-msg?    string
| | | | +---x usb
| | | | | +---w input
| | | | | | +---w directory     string
| | | | | | +---w manual?       empty
| | | | | | +---w noreboot?     empty
| | | | | | +---w new-nos-cfg?  string
| | | | | +---ro output
| | | | | | +---ro fwdl-tid?    int32
| | | | | | +---ro fwdl-status? int32
| | | | | | +---ro fwdl-msg?    string
| | | +---rw fullinstall
| | | | +---x ftp
| | | | | +---w input
| | | | | | +---w user            string
| | | | | | +---w password?     string
| | | | | | +---w host           string
| | | | | | +---w directory     string
| | | | | | +---w file?         string
| | | | | | +---w manual?       empty
| | | | | | +---w noreboot?     empty
| | | | | | +---w use-vrf?      common-def:use-vrf
| | | | | +---ro output
| | | | | | +---ro fwdl-tid?    int32
| | | | | | +---ro fwdl-status? int32
| | | | | | +---ro fwdl-msg?    string
| | | | +---x scp
| | | | | +---w input
| | | | | | +---w user            string
| | | | | | +---w password?     string
| | | | | | +---w host           string
| | | | | | +---w directory     string
| | | | | | +---w file?         string
| | | | | | +---w manual?       empty
| | | | | | +---w noreboot?     empty

```

```

| | | | +---w use-vrf?      common-def:use-vrf
| | | | +---ro output
| | | |   +---ro fwdl-tid?    int32
| | | |   +---ro fwdl-status? int32
| | | |   +---ro fwdl-msg?    string
| | | +---x sftp
| | | | +---w input
| | | | | +---w user          string
| | | | | +---w password?    string
| | | | | +---w host          string
| | | | | +---w directory    string
| | | | | +---w file?         string
| | | | | +---w manual?      empty
| | | | | +---w noreboot?    empty
| | | | | +---w use-vrf?    common-def:use-vrf
| | | | +---ro output
| | | |   +---ro fwdl-tid?    int32
| | | |   +---ro fwdl-status? int32
| | | |   +---ro fwdl-msg?    string
| | | +---x tftp
| | | | +---w input
| | | | | +---w host          string
| | | | | +---w directory    string
| | | | | +---w file?         string
| | | | | +---w manual?      empty
| | | | | +---w noreboot?    empty
| | | | | +---w use-vrf?    common-def:use-vrf
| | | | +---ro output
| | | |   +---ro fwdl-tid?    int32
| | | |   +---ro fwdl-status? int32
| | | |   +---ro fwdl-msg?    string
| | | +---x usb
| | | | +---w input
| | | | | +---w directory    string
| | | | | +---w manual?      empty
| | | | | +---w noreboot?    empty
| | | | +---ro output
| | | |   +---ro fwdl-tid?    int32
| | | |   +---ro fwdl-status? int32
| | | |   +---ro fwdl-msg?    string
| +---x commit
| | +---ro output
| |   +---ro result?    string
| +---x restore
| | +---ro output
| |   +---ro result?    string
| +---x sync
| | +---ro output
| |   +---ro result?    string
| +---x activate
| | +---ro output
| |   +---ro overall-status? int32
| |   +---ro overall-error-msg? string
| |   +---ro status?      int32
| +---rw auto-sync
| | +---x enable
| | | +---ro output
| | |   +---ro result?    string
| | +---x disable
| | | +---ro output
| | |   +---ro result?    string
| +---rw peripheral-update-option
| | +---x peripheral-update-cpld
| | +---x peripheral-update-fpga

```

```

|     +---rw peripheral-update-bmc-option
|     |     +---x peripheral-update-bmc-all
|     |     +---x peripheral-update-bmc-boot
|     |     +---x peripheral-update-bmc-application
+---rw update
|   +---rw onie
|   |   +---x scp
|   |   |   +---w input
|   |   |   |   +---w user           string
|   |   |   |   +---w password?     string
|   |   |   |   +---w host           string
|   |   |   |   +---w directory      string
|   |   |   |   +---w file?         string
|   |   |   |   +---w use-vrf?      common-def:use-vrf
|   |   |   +---ro output
|   |   |   |   +---ro upgrade-msg?  string
|   |   +---x ftp
|   |   |   +---w input
|   |   |   |   +---w user           string
|   |   |   |   +---w password?     string
|   |   |   |   +---w host           string
|   |   |   |   +---w directory      string
|   |   |   |   +---w file?         string
|   |   |   |   +---w use-vrf?      common-def:use-vrf
|   |   |   +---ro output
|   |   |   |   +---ro upgrade-msg?  string
|   |   +---x sftp
|   |   |   +---w input
|   |   |   |   +---w user           string
|   |   |   |   +---w password?     string
|   |   |   |   +---w host           string
|   |   |   |   +---w directory      string
|   |   |   |   +---w file?         string
|   |   |   |   +---w use-vrf?      common-def:use-vrf
|   |   |   +---ro output
|   |   |   |   +---ro upgrade-msg?  string
|   +---rw bmc
|   |   +---rw bmc-firmware
|   |   |   +---x scp
|   |   |   |   +---w input
|   |   |   |   |   +---w user           string
|   |   |   |   |   +---w password     string
|   |   |   |   |   +---w host           string
|   |   |   |   |   +---w directory    string
|   |   |   |   |   +---w file         string
|   |   |   |   |   +---w use-vrf?     common-def:use-vrf
|   |   |   +---x ftp
|   |   |   |   +---w input
|   |   |   |   |   +---w user           string
|   |   |   |   |   +---w password     string
|   |   |   |   |   +---w host           string
|   |   |   |   |   +---w directory    string
|   |   |   |   |   +---w file         string
|   |   |   |   |   +---w use-vrf?     common-def:use-vrf
+---rw write
|   +---x erase
|   |   +---w input
|   |   |   +---w (write_erase_options)?
|   |   |   |   +---:(erase_all)
|   |   |   |   |   +---w erase_all?     empty
|   |   |   |   +---:(erase_all_skip_license)
|   |   |   |   |   +---w erase_all_skip_license?  empty
|   |   +---ro output
|   |   |   +---ro fwdl-tid?         int32

```

```

|         +--ro fwdl-status?  int32
|         +--ro fwdl-msg?    string
+--rw reboot
| +---x fastboot
+--rw dhcp
| +--rw ztp
|   +---x log
|   | +--ro output
|   |   +--ro dad-cmd-msg?  string
|   +---x cancel
|   | +--ro output
|   |   +--ro dad-cmd-msg?  string
+--rw onie
| +---x onie-install
|   +--ro output
|   | +--ro onie-install-msg?  string
+--rw bootmenu
  +---x menu-enable
  | +--ro output
  |   +--ro menu-enable-msg?  string
  +---x menu-disable
  | +--ro output
  |   +--ro menu-disable-msg?  string
rpcs:
+---x fwdl-status
| +---w input
| | +---w fwdl-tid?  int32
| +--ro output
|   +--ro number-of-entries?  uint32
|   +--ro fwdl-state?        enumeration
|   +--ro fwdl-entries* []
|     +--ro index?           uint32
|     +--ro message-id?     int32
|     +--ro date-and-time-info?  string
|     +--ro message?        string
|     +--ro blade-slot?     int32
|     +--ro blade-swbd?     int32
|     +--ro blade-name?     string
|     +--ro blade-state?    enumeration
|     +--ro blade-app?      string
+---x activate-status
| +--ro output
|   +--ro overall-status?    int32
|   +--ro overall-error-msg? string
|   +--ro status?           int32
+---x firmware-download
| +---w input
| | +---w fullinstall?  empty
| | +---w (protocol-type)?
| | | +---:(scp-protocol)
| | | | +---w scp
| | | |   +---w user      string
| | | |   +---w password? string
| | | |   +---w host      string
| | | |   +---w directory string
| | | |   +---w file?     string
| | | +---:(ftp-protocol)
| | | | +---w ftp
| | | |   +---w user      string
| | | |   +---w password? string
| | | |   +---w host      string
| | | |   +---w directory string
| | | |   +---w file?     string
| | | +---:(sftp-protocol)

```

```

| | | | +---w sftp
| | | |   +---w user          string
| | | |   +---w password?    string
| | | |   +---w host          string
| | | |   +---w directory     string
| | | |   +---w file?         string
| | | |   +---w port?         int32
| | | |   +---w host-key-check? empty
| | | | +---:(usb-protocol)
| | | |   +---w usb
| | | |     +---w directory    string
| | +---w coldboot?          empty
| +---ro output
|   +---ro fwdl-tid?         int32
|   +---ro fwdl-status?     int32
|   +---ro fwdl-msg?        string
+---x firmware-commit
| +---ro output
|   +---ro result?          string
+---x firmware-restore
| +---ro output
|   +---ro result?          string
+---x firmware-download-sanity
+---w input
| +---w (protocol-type)?
|   +---:(scp-protocol)
|   | +---w scp
|   |   +---w user          string
|   |   +---w password?    string
|   |   +---w host          string
|   |   +---w directory     string
|   |   +---w file?         string
|   +---:(ftp-protocol)
|   | +---w ftp
|   |   +---w user          string
|   |   +---w password?    string
|   |   +---w host          string
|   |   +---w directory     string
|   |   +---w file?         string
|   +---:(sftp-protocol)
|   | +---w sftp
|   |   +---w user          string
|   |   +---w password?    string
|   |   +---w host          string
|   |   +---w directory     string
|   |   +---w file?         string
|   |   +---w port?         int32
|   |   +---w host-key-check? empty
|   +---:(usb-protocol)
|   | +---w usb
|   |   +---w directory    string
+---ro output
+---ro fwdl-tid?            int32
+---ro fwdl-status?        int32
+---ro fwdl-msg?           string
+---ro fwdl-version?       string

```

brocade-firmware-ext

RPCs

Displays firmware version information:

```
module: brocade-firmware-ext
rpcs:
  +---x show-firmware-version
    +--ro output
      +--ro show-firmware-version* []
        +--ro os-name?                string
        +--ro os-version?            string
        +--ro copy-right-info?       string
        +--ro build-time?            string
        +--ro install-time?          string
        +--ro kernel-version?        string
        +--ro firmware-full-version? string
        +--ro control-processor-vendor? string
        +--ro control-processor-chipset? string
        +--ro control-processor-cpucores? string
        +--ro control-processor-microcode? string
        +--ro control-processor-memory? string
        +--ro system-uptime?         string
      +--ro node-info* []
        +--ro slot-no?                uint32
        +--ro node-instance-no?      uint32
        +--ro node-type?              node-type-enum
        +--ro is-active-cp?          boolean
      +--ro firmware-version-info* []
        +--ro application-name?      string
        +--ro primary-version?       string
        +--ro secondary-version?     string
```

brocade-ha

Top-level container

```

module: brocade-ha
  +--rw ha
  |   +--rw process-restart
  |   |   +--rw mpls?      empty
  |   |   +--rw bgp?      empty
  |   |   +--rw isis?     empty
  |   |   +--rw ospfv2?   empty
  |   |   +--rw ospfv3?   empty
  +--rw ha-action
  |   +--rw ha
  |   |   +---x enable
  |   |   |   +---w input
  |   |   |   |   +---w force?  empty
  |   |   +---x disable
  |   |   |   +---w input
  |   |   |   |   +---w force?  empty
  |   |   +---x dump
  |   |   +---x chassisreboot
  |   |   +---x failover
  |   |   |   +---w input
  |   |   |   |   +---w force?  empty
  |   |   +--rw sync
  |   |   |   +---x start
  |   |   |   |   +---ro output
  |   |   |   |   |   +---ro result?  string
  |   |   +---x stop
  |   |   |   +---ro output
  |   |   |   |   +---ro result?  string
  +--rw system-reload
  |   +---x reload
  |   |   +---w input
  |   |   |   +---w system?      empty
  |   |   |   +---w powercycle?  empty
  |   |   |   +---w diag-mode?   empty
  |   |   |   +---w standby?     empty
  |   |   +---ro output
  |   |   |   +---ro status-string?  string

```

RPCs

```

rpcs:
  +---x reload
  |   +---w input
  |   |   +---w system?      empty
  |   |   +---w diag-mode?   empty
  |   |   +---w standby?     empty

```

brocade-hardware

Top-level container

```

module: brocade-hardware
  +--rw hardware
  | +--rw connector* [name]
  | | +--rw name          connector-type
  | | +--rw breakout!
  | | | +--rw cage-mode?  connector-mode-type
  | | +--rw insight
  | |   +--rw insmode?   empty
  | +--rw port-group* [name]
  | | +--rw name          interface:port-group-type
  | | +--rw portgroup-speed?  portgroup-speed-type
  | +--rw profile
  | | +--rw tcam
  | | | +--rw predefined
  | | | | +--rw tcam_profiletype?  tcam-profile-subtype
  | | | +--rw cam-share
  | | | | +--rw l2-ingress-acl?     empty
  | | | | +--rw l3-v4-ingress-acl?  empty
  | | | | +--rw l3-v6-ingress-acl?  empty
  | | | | +--rw l3-v4-pbr?          empty
  | | | | +--rw l3-v6-pbr?          empty
  | | | +--rw limit
  | | | | +--rw l2l3v4-app    uint32
  | | | | +--rw v6-app        uint32
  | | | | +--rw flex-acl      uint32
  | | | +--rw vxlan-vpls-enable?  empty
  | | +--rw route
  | | | +--rw predefined
  | | | | +--rw route_profiletype?  route-profile-subtype
  | | | | +--rw enhance_parameter
  | | | | | +--rw hwopt_enable?      feature-state-subtype
  | | | | | +--rw multi_vrf?        feature-state-subtype
  | | | | | +--rw v4fibcomp_enable?  feature-state-subtype
  | | | | | +--rw v6fibcomp_enable?  feature-state-subtype
  | | | +--rw routing_parameter
  | | | | +--rw maximum-paths?      ecmp-subtype
  | | | | +--rw route-feature
  | | | | | +--rw ipv6-max-prefix-64?  empty
  | | | | | +--rw urpf?                empty
  | | +--rw qos
  | | | +--rw predefined
  | | | | +--rw qos_profiletype?     qos-profile-subtype
  | | +--rw lag
  | | | +--rw predefined
  | | | | +--rw lag_profiletype?     lag-profile-subtype
  | | +--rw counters
  | | | +--rw predefined
  | | | | +--rw counters_profiletype?  counters-profile-subtype
  | | +--rw etcam
  | | | +--rw predefined
  | | | | +--rw etcam_profiletype?    etcam-profile-subtype
  +--rw hardware-action
  | +--rw hardware
  | | +--x media-database
  | | | +--w input
  | | | | +--w activate    empty
  | | +--x smt
  | | | +--w input

```

```
+---w (opt)?  
  +--:(enable)  
    | +---w enable    empty  
  +--:(disable)  
    +---w disable    empty
```

brocade-http-config

Top-level container

```
module: brocade-http-config
  +--rw http-sa
  +--rw http
    +--rw server
      +--rw http-vrf-cont
        +--rw use-vrf* [use-vrf-name]
          +--rw use-vrf-name      string
          +--rw http-vrf-shutdown? empty
```

External augmentations

```
module: brocade-common-def
  +--rw show
  | +--rw http-config:http
  | | +--rw http-config:server
```

brocade-http-redirect

RPCs

```
rpcs:
  +---x set-http-application-url
    +---w input
      | +---w config-http-app-url
      |   +---w url          string
      |   +---w op-type     uint32
    +---ro output
      +--ro status-code      int32
      +--ro status-string?  string
```

brocade-igmp-snooping

Top-level container

```

module: brocade-igmp-snooping
  +--rw igmp-snooping
    +--rw ip
      +--rw igmp
        +--rw router-alert-check-disable?  empty
        +--rw ssm-map
          +--rw igmps-ssmmap?              empty
          +--rw igmps-prefix-list* [igmps-prefix-list-name igmps-prefix-src-addr]
            +--rw igmps-prefix-list-name   ipv4-prefix-name-t
            +--rw igmps-prefix-src-addr    inet:ipv4-address

```

External augmentations

```

module: brocade-interface
  +--rw igmp:igmp-phy-intf-cfg
    | | | | +--rw igmp:igmp
    | | | |   +--rw igmp:igmpl3-last-member-query-interval?  igmp-snooping:lmqt-type
    | | | |   +--rw igmp:igmpl3-query-interval?              igmp-snooping:qi-type
    | | | |   +--rw igmp:igmpl3-query-max-response-time?     igmp-snooping:qmrt-type
    | | | |   +--rw igmp:igmpl3-immediate-leave?             empty
    | | | |   +--rw igmp:igmpl3-version?                      uint32
    | | | |   +--rw igmp:igmpl3-static-group [igmpl3-sg-addr]
    | | | |   +--rw igmp:igmpl3-sg-addr    inet:ipv4-address

```

brocade-interface

The following table lists the Ethernet interfaces and other entities modeled by high-level nodes in this management module.

Table 7: Entities managed through brocade-interface module

High-level node name	Description
interface/ethernet	Physical Ethernet interfaces
interface/management	Models the management port or management interfaces
interface/port-channel	Models port-channel or LAG interfaces
interface-vlan	Models Layer 2 VLAN interfaces

This module provides the mechanism to support the following actions:

- Discover and characterize the interface sublayers.
- Configure various attributes of these interfaces.
- Structure the interfaces so that various Layer 2 or Layer 3 access and security policies, network discovery policies, QoS policies, and link aggregation policies can be applied using other modules supported by the managed entity.

Top-level container

```

module: brocade-interface
  +--rw interface
  |   +--rw ethernet* [name]
  |   |   +--rw name                               config-interface-type
  |   |   +--rw long-distance-isl?                 enumeration
  |   |   +--rw cee?                               cee-map-name-type
  |   |   +--rw loopback?                          enumeration
  |   |   +--rw speed?                             enumeration
  |   |   +--rw fec
  |   |   |   +--rw fec-mode?   fec-mode-type
  |   |   +--ro ifindex?       uint64
  |   |   +--rw description?   string
  |   |   +--rw shutdown?     empty
  |   |   +--rw channel-group
  |   |   |   +--rw port-int?   portchannel-type
  |   |   |   +--rw mode?      po-mode
  |   |   |   |   +--rw type?   po-type
  |   |   +--rw mtu?          mtu-type
  |   |   +--rw route-only?   empty
  |   |   +--rw tag-type?     tpid-type
  |   |   +--rw maintenance-mode!
  |   |   |   +--rw rate-monitoring!
  |   |   |   |   +--rw threshold?   maint-mode-threshold
  |   |   +--rw switchport-basic
  |   |   |   +--rw basic?   empty
  |   |   +--rw switchport
  |   |   |   +--rw mode
  |   |   |   +--rw vlan-mode?   l2-mode-type
  |   |   |   +--rw port-security!
  |   |   |   |   +--rw port-sec-max?   uint32

```

```

| | | | +--rw port-sec-violation?          port-sec-violation
| | | | +--rw port-security-mac-address* [mac-address port-sec-vlan]
| | | | | +--rw mac-address          mac-address-type
| | | | | +--rw port-sec-vlan        vlan-type
| | | | +--rw sticky
| | | | | +--rw sticky-flag?          empty
| | | | | +--rw port-security-mac-address* [mac-address port-sec-vlan]
| | | | |   +--rw mac-address          mac-address-type
| | | | |   +--rw port-sec-vlan        vlan-type
| | | | +--rw shutdown-time?          uint32
| | | +--rw access
| | | | +--rw accessvlan?            vlan-type
| | | | +--rw rspan-access
| | | | | +--rw rspan-access-vlan?    vlan-type
| | | x--rw access-mac-vlan-classification
| | | | +--rw access
| | | | | +--rw vlan* [access-vlan-id access-mac-address]
| | | | |   +--rw access-vlan-id      vlan-type
| | | | |   +--rw access-mac-address  mac-address-type
| | | x--rw access-mac-group-vlan-classification
| | | | +--rw access
| | | | | +--rw vlan* [access-vlan-id access-mac-group]
| | | | |   +--rw access-vlan-id      vlan-type
| | | | |   +--rw access-mac-group    mac-group-id-type
| | | +--rw trunk
| | | | +--rw allowed
| | | | | +--rw vlan
| | | | | | +--rw all?                empty
| | | | | | +--rw none?              empty
| | | | | | +--rw add?               ui32-vlan-20k-range
| | | | | | +--rw except?           ui32-1k-vlan-range
| | | | | | +--rw remove?           ui32-1k-vlan-range
| | | | | x--rw vlanoper
| | | | | | +--rw vlan
| | | | | | | +--rw add?             ui32-vlan-range
| | | | | | | +--rw remove?         ui32-vlan-range
| | | | | +--rw rspan-vlan
| | | | | | +--rw add-rspan-trunk-vlan? ui32-1k-vlan-range
| | | | | | +--rw remove-rspan-trunk-vlan? ui32-1k-vlan-range
| | | | x--rw trunk-rspan-vlan-classification
| | | | | +--rw rspan-vlan
| | | | | | +--rw add* [trunk-vlan-id trunk-ctag-id]
| | | | | | | +--rw trunk-vlan-id    non-dot1q-vlan-type
| | | | | | | +--rw trunk-ctag-id    dot1q-vlan-type
| | | | | | +--rw remove* [trunk-vlan-id trunk-ctag-id]
| | | | | | | +--rw trunk-vlan-id    non-dot1q-vlan-type
| | | | | | | +--rw trunk-ctag-id    dot1q-vlan-type
| | | | x--rw trunk-vlan-classification
| | | | | +--rw allowed
| | | | | +--rw vlan
| | | | | | +--rw add* [trunk-vlan-id]
| | | | | | | +--rw trunk-vlan-id    non-dot1q-vlan-type
| | | | | | | +--rw trunk-ctag-range? ui32-ctag-range
| | | | | | +--rw remove* [trunk-vlan-id]
| | | | | | | +--rw trunk-vlan-id    non-dot1q-vlan-type
| | | | | | | +--rw trunk-ctag-range? ui32-ctag-range
| | | | x--rw default-vlan-config
| | | | | +--rw default-transparent-vlan? non-dot1q-vlan-type
| | | | +--rw tag!
| | | | | +--rw native-vlan?          empty
| | | | +--rw native-vlan-classification
| | | | | +--rw native-vlan-id?        native-vlan-type
| | | | | x--rw native-vlan-ctag-id?    dot1q-vlan-type
| | | x--rw native-vlan-xtagged-config

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| | | | | +--rw native-vlan-id-xtagged?          vlan-type
| | | | | +--rw native-vlan-ctag-id-xtagged?     dot1q-vlan-type
| | | | | +--rw native-vlan-egress-type-xtagged?  enumeration
| | | | | x--rw native-vlan-untagged-config
| | | | |   +--rw native-vlan-id-untagged?        vlan-type
| | | | | x--rw access-mac-rspan-vlan-classification
| | | | |   +--rw access
| | | | |     +--rw vlan* [access-vlan-id access-mac-address]
| | | | |       +--rw access-vlan-id              vlan-type
| | | | |       +--rw access-mac-address          mac-address-type
| | | | | x--rw access-mac-group-rspan-vlan-classification
| | | | |   +--rw access
| | | | |     +--rw vlan* [access-vlan-id access-mac-group]
| | | | |       +--rw access-vlan-id              vlan-type
| | | | |       +--rw access-mac-group            mac-group-id-type
| | | | | +--rw bfd-software-session?                empty
| | | +--rw ip
| | | | +--rw source-guard
| | | | | +--rw source-guard-enable?              empty
| | | | | +--rw ip-config:ip-config
| | | | |   +--rw ip-config:mtu?                    ip-mtu
| | | | |   +--rw ip-config:directed-broadcast?    empty
| | | | |   +--rw ip-config:proxy-arp?              empty
| | | | |   +--rw ip-config:irdp?                  empty
| | | | |   +--rw ip-config:arp
| | | | |     | +--rw ip-config:learn-any?          empty
| | | | |     +--rw ip-config:arp-aging-timeout?    uint32
| | | | |     +--rw ip-config:address* [address]
| | | | |       | +--rw ip-config:address            union
| | | | |       | +--rw ip-config:secondary?        empty
| | | | |       | +--rw ip-config:ospf-passive?      empty
| | | | |       | +--rw ip-config:ospf-ignore?      empty
| | | | |     +--rw ip-config:unnumbered
| | | | |     +--rw ip-config:ip-donor-interface-type? ip-unnumbered-donor-interface-
type_t
| | | | |       +--rw ip-config:ip-donor-interface-name? ip-unnumbered-donor-interface-
name_t
| | | | +--rw dai:arp-node-config
| | | | | +--rw dai:arp
| | | | |   +--rw dai:inspection
| | | | |     +--rw dai:trust?                      empty
| | | | |     +--rw dai:filter
| | | | |       +--rw dai:acl-name?                  dai-acl-policy-name
| | | | +--rw dhcp:interface-eth-dhcp-conf
| | | | | +--rw dhcp:dhcp
| | | | |   +--rw dhcp:relay
| | | | |     +--rw dhcp:servers* [relay-ip-addr server-vrf-name]
| | | | |       | +--rw dhcp:relay-ip-addr            dhcp-ipv4-address
| | | | |       | +--rw dhcp:server-vrf-name          common-def:vrf-name
| | | | |     +--rw dhcp:gateway
| | | | |       +--rw dhcp:gateway-address?          dhcp-ipv4-address
| | | | |       +--rw dhcp:gw-intf-type?             dhcp-gateway-interface-type
| | | | |       +--rw dhcp:gw-intf-name?             dhcp-gateway-interface-name
| | | | +--rw dhcp:dhcp
| | | | | +--rw dhcp:snooping
| | | | |   +--rw dhcp:dhcp-snooping-trust?          empty
| | | | +--rw icmp:icmp
| | | | | +--rw icmp:rate-limiting?                  uint32
| | | | | +--rw icmp:echo-reply?                    empty
| | | | | +--rw icmp:redirect?                      empty
| | | | | +--rw icmp:unreachable?                  empty
| | | | +--rw igmp:igmp
| | | | | +--rw igmp:igmp13-last-member-query-interval? igmp-snooping:lmqt-type
| | | | | +--rw igmp:igmp13-query-interval?          igmp-snooping:qi-type

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| | | | +--rw igmp:igmp13-query-max-response-time?    igmp-snooping:qmrt-type
| | | | +--rw igmp:igmp13-immediate-leave?            empty
| | | | +--rw igmp:igmp13-version?                    uint32
| | | | +--rw igmp:igmp13-static-group* [igmp13-sg-addr]
| | | | |   +--rw igmp:igmp13-sg-addr    inet:ipv4-address
| | | | +--rw isis:intf-router-isis
| | | | |   +--rw isis:int-router-isis
| | | | |   +--rw isis:interface-ip-router-isis?    empty
| | | | +--rw ospf:interface-eth-ospf-conf
| | | | |   +--rw ospf:ospf1
| | | | |   |   +--rw ospf:area?                ospf-area-id
| | | | |   |   +--rw ospf:auth-change-wait-time?  common-def:time-interval-sec
| | | | |   |   +--rw ospf:authentication-key
| | | | |   |   |   +--rw ospf:no-encrypt-auth-key-table
| | | | |   |   |   |   +--rw ospf:no-encrypt-auth-key?  ospf-auth-psswd-string
| | | | |   |   |   |   +--rw ospf:auth-key-table
| | | | |   |   |   |   |   +--rw ospf:encrypttype?    key-type
| | | | |   |   |   |   |   +--rw ospf:auth-key?      ospf-auth-psswd-string
| | | | |   |   +--rw ospf:authentication
| | | | |   |   |   +--rw ospf:key-chain?    ospf-keychain-string
| | | | |   |   +--rw ospf:hello-interval?    common-def:time-interval-sec
| | | | |   |   +--rw ospf:dead-interval?     common-def:time-interval-sec
| | | | |   |   +--rw ospf:retransmit-interval? common-def:time-interval-sec
| | | | |   |   +--rw ospf:transmit-delay?    common-def:time-interval-sec
| | | | |   |   +--rw ospf:md5-authentication
| | | | |   |   |   +--rw ospf:key-activation-wait-time?  common-def:time-interval-sec
| | | | |   |   |   +--rw ospf:no-encrypt-key-table
| | | | |   |   |   |   +--rw ospf:no-encrypt-key-id?    uint32
| | | | |   |   |   |   |   +--rw ospf:no-encrypt-key?  ospf-auth-psswd-string
| | | | |   |   |   |   +--rw ospf:key-table
| | | | |   |   |   |   |   +--rw ospf:key-id?          uint32
| | | | |   |   |   |   |   +--rw ospf:key?            key-type
| | | | |   |   |   |   |   +--rw ospf:md5-authentication-key?  ospf-auth-psswd-string
| | | | |   |   +--rw ospf:cost?                uint32
| | | | |   |   +--rw ospf:network?              enumeration
| | | | |   |   +--rw ospf:intf-ldp-sync?        enumeration
| | | | |   |   +--rw ospf:database-filter
| | | | |   |   |   +--rw ospf:all-out?          empty
| | | | |   |   |   +--rw ospf:all-external?    database-filter-options
| | | | |   |   |   +--rw ospf:all-summary-external? database-filter-options
| | | | |   |   +--rw ospf:mtu-ignore?          empty
| | | | |   |   +--rw ospf:active?              empty
| | | | |   |   +--rw ospf:passive?            empty
| | | | |   |   +--rw ospf:priority?           uint32
| | | | |   |   +--rw ospf:bfd
| | | | |   |   |   +--rw ospf:intf-bfd-enable?    empty
| | | | +--rw pim:pim-intf-phy-cont
| | | | |   +--rw pim:pim-int-cmd
| | | | |   +--rw pim:pim-sparse?                empty
| | | | |   +--rw pim:pim
| | | | |   |   +--rw pim:neighbor-filter?    ip-prefix-name-t
| | | | |   |   +--rw pim:dr-priority?      uint32
| | | | |   |   +--rw pim:ttl-threshold?    uint32
| | | | |   +--rw pim:mcast-bdry-prefix-list? ip-prefix-name-t
| | | +--rw vrf
| | | |   +--rw forwarding?    common-def:vrf-name
| | | +--rw reload-delay
| | | |   +--rw reload-delay-enable?    empty
| | | |   +--rw reload-delay-time?     reload-delay-type
| | | +--rw ipv6
| | | |   +--rw rguard?                empty
| | | |   +--rw ipv6-config:ipv6-config
| | | | |   +--rw ipv6-config:address
| | | | |   |   +--rw ipv6-config:use-link-local-only?    empty

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| | | | | +--rw ipv6-config:link-local-config
| | | | | | +--rw ipv6-config:link-local-address? inet:ipv6-address
| | | | | | +--rw ipv6-config:link-local? empty
| | | | | +--rw ipv6-config:ipv6-address* [address]
| | | | | | +--rw ipv6-config:address union
| | | | | | +--rw ipv6-config:secondary? empty
| | | | | | +--rw ipv6-config:eui-config
| | | | | | | +--rw ipv6-config:eui64? empty
| | | | | | | +--rw ipv6-config:eui-secondary? empty
| | | | | | +--rw ipv6-config:anycast? empty
| | | | | +--rw ipv6-config:mtu? ip-mtu
| | | | +--rw dhcpv6:interface-phy-dhcp-conf
| | | | | +--rw dhcpv6:dhcp
| | | | | | +--rw dhcpv6:relay
| | | | | | | +--rw dhcpv6:servers* [relay-ip-addr]
| | | | | | | | +--rw dhcpv6:relay-ip-addr dhcp-ipv6-address
| | | | | | | | +--rw dhcpv6:server-vrf-name? common-def:vrf-name
| | | | | | | | +--rw dhcpv6:interface
| | | | | | | | | +--rw dhcpv6:interface-type? dhcpv6-iftype
| | | | | | | | | +--rw dhcpv6:interface-name? dhcpv6-ifname
| | | | | | | +--rw dhcpv6:source-interface
| | | | | | | | +--rw dhcpv6:source-intf-type? dhcpv6-relay-src-interface-type
| | | | | | | | +--rw dhcpv6:source-intf-name? dhcpv6-src-ifname
| | | | | | | | +--rw dhcpv6:source-ip? dhcp-ipv6-address
| | | | | | | +--rw dhcpv6:maximum-delegated-prefixes? dhcpv6-delegatedprefix
| | | | | | | +--rw dhcpv6:distance? dhcpv6-distance
| | | | +--rw icmp:icmpv6
| | | | | +--rw icmp:rate-limiting? uint32
| | | | | +--rw icmp:echo-reply? empty
| | | | | +--rw icmp:redirect? empty
| | | | | +--rw icmp:unreachable? empty
| | | | +--rw ipv6-access-list:access-group* [ipv6-access-list ip-direction]
| | | | | +--rw ipv6-access-list:ipv6-access-list ipv6-l3-acl-policy-name
| | | | | +--rw ipv6-access-list:ip-direction enumeration
| | | | | +--rw ipv6-access-list:traffic-type? enumeration
| | | | +--rw ip-policy:policy
| | | | | +--rw ip-policy:route-map
| | | | | | +--rw ip-policy:ipv6-route-map-name? common-def:name-string63
| | | | +--rw ipv6-nd-ra:ipv6-nd-ra
| | | | | +--rw ipv6-nd-ra:ipv6-intf-cmds
| | | | | | +--rw ipv6-nd-ra:vrrp-suppress-interface-ra? empty
| | | | | | +--rw ipv6-nd-ra:nd
| | | | | | | +--rw ipv6-nd-ra:managed-config-flag? empty
| | | | | | | +--rw ipv6-nd-ra:other-config-flag? empty
| | | | | | | +--rw ipv6-nd-ra:broadcast-mac-trap? empty
| | | | | | | +--rw ipv6-nd-ra:ra-lifetime? common-def:time-interval-sec
| | | | | | | +--rw ipv6-nd-ra:reachable-time? common-def:time-interval-msec
| | | | | | | +--rw ipv6-nd-ra:mtu? uint32
| | | | | | | +--rw ipv6-nd-ra:retrans-timer? common-def:time-interval-msec
| | | | | | | +--rw ipv6-nd-ra:hoplimit? uint32
| | | | | | | +--rw ipv6-nd-ra:ns-interval? common-def:time-interval-sec
| | | | | | | +--rw ipv6-nd-ra:suppress-ra
| | | | | | | | +--rw ipv6-nd-ra:suppress-ra-flag? empty
| | | | | | | | +--rw ipv6-nd-ra:suppress-ra-mtu? empty
| | | | | | | | +--rw ipv6-nd-ra:suppress-ra-all? empty
| | | | | | | +--rw ipv6-nd-ra:ra-interval
| | | | | | | | +--rw ipv6-nd-ra:max-interval? common-def:time-interval-sec
| | | | | | | | +--rw ipv6-nd-ra:min? common-def:time-interval-sec
| | | | | | | +--rw ipv6-nd-ra:send-ra? empty
| | | | | | | +--rw ipv6-nd-ra:router-preference
| | | | | | | | +--rw ipv6-nd-ra:router-pref-high? empty
| | | | | | | | +--rw ipv6-nd-ra:router-pref-low? empty
| | | | | | | | +--rw ipv6-nd-ra:router-pref-medium? empty
| | | | | +--rw ipv6-nd-ra:ra-dns-server* [dns-server-prefix]

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| | | | | | +--rw ipv6-nd-ra:dns-server-prefix          inet:ipv6-
address
| | | | | | +--rw ipv6-nd-ra:dns-server-lifetime-multiplier?  uint32
| | | | | | +--rw ipv6-nd-ra:ra-domain-name* [domain-name-string]
| | | | | | +--rw ipv6-nd-ra:ra-domain-name-string          string
| | | | | | +--rw ipv6-nd-ra:domain-name-lifetime-multiplier?  uint32
| | | | | | +--rw ipv6-nd-ra:address
| | | | | | +--rw ipv6-nd-ra:suppressing-address* [suppress-ipv6-address]
address
| | | | | | +--rw ipv6-nd-ra:suppress-ipv6-address          nd-suppress-ipv6-
| | | | | | +--rw ipv6-nd-ra:suppress-per-address?          empty
| | | | | | +--rw ipv6-nd-ra:address-suppress-all?          empty
| | | | | | +--rw ipv6-nd-ra:dad
| | | | | | +--rw ipv6-nd-ra:attempts?          uint32
| | | | | | +--rw ipv6-nd-ra:time?          common-def:time-interval-sec
| | | | | | +--rw ipv6-nd-ra:cache
| | | | | | +--rw ipv6-nd-ra:expire?          common-def:time-interval-sec
| | | | | | +--rw ipv6-nd-ra:cache-limit?          uint32
| | | | | | +--rw ipv6-nd-ra:prefix* [prefix-ipv6-address]
| | | | | | +--rw ipv6-nd-ra:prefix-ipv6-address          inet:ipv6-prefix
| | | | | | +--rw ipv6-nd-ra:lifetime
| | | | | | +--rw (ipv6-nd-ra:ch-valid-type)?
| | | | | | | +--:(ipv6-nd-ra:ca-no-advertise)
| | | | | | | | +--rw ipv6-nd-ra:no-advertise?          empty
| | | | | | | +--:(ipv6-nd-ra:ca-valid-lifetime)
| | | | | | | | +--rw ipv6-nd-ra:valid-lifetime?          common-def:time-
interval-sec
| | | | | | | +--:(ipv6-nd-ra:ca-valid-infinite)
| | | | | | | +--rw ipv6-nd-ra:valid-infinite?          empty
| | | | | | +--rw ipv6-nd-ra:preferred
| | | | | | +--rw (ipv6-nd-ra:ch-preferred-type)?
| | | | | | | +--:(ipv6-nd-ra:ca-preferred-lifetime)
| | | | | | | | +--rw ipv6-nd-ra:preferred-lifetime?          common-def:time-
interval-sec
| | | | | | | +--:(ipv6-nd-ra:ca-preferred-infinite)
| | | | | | | +--rw ipv6-nd-ra:preferred-infinite?          empty
| | | | | | +--rw ipv6-nd-ra:prefix-flags
| | | | | | +--rw ipv6-nd-ra:no-autoconfig?          empty
| | | | | | +--rw ipv6-nd-ra:no-onlink?          empty
| | | | | | +--rw ipv6-nd-ra:off-link?          empty
| | | | | | +--rw ipv6-nd-ra:neighbor* [ipv6-address]
| | | | | | +--rw ipv6-nd-ra:ipv6-address          neighbor-ipv6-address
| | | | | | +--rw ipv6-nd-ra:hardware-address?          macAddr
| | | | | | +--rw isis:intf-ipv6-router-isis
| | | | | | +--rw isis:int-ipv6-router-isis
| | | | | | +--rw isis:interface-ipv6-router-isis?          empty
| | | | | | +--rw mld:mld-phy-intf-cfg
| | | | | | +--rw mld:mld
| | | | | | +--rw mld:last-member-query-interval?          mld-snooping:lmqt-type
| | | | | | +--rw mld:query-interval?          mld-snooping:qi-type
| | | | | | +--rw mld:query-max-response-time?          mld-snooping:qmrt-type
| | | | | | +--rw mld:immediate-leave?          empty
| | | | | | +--rw mld:version?          uint32
| | | | | | +--rw mld:static-group* [l3-sg-addr]
| | | | | | +--rw mld:l3-sg-addr          inet:ipv6-address
| | | | | | +--rw ospfv3:interface-ospfv3-conf
| | | | | | +--rw ospfv3:interface-area?          ospf:ospf-area-id
| | | | | | +--rw ospfv3:active?          empty
| | | | | | +--rw ospfv3:passive?          empty
| | | | | | +--rw ospfv3:bfd
| | | | | | | +--rw ospfv3:bfd-enable?          empty
| | | | | | +--rw ospfv3:cost?          uint32
| | | | | | +--rw ospfv3:instance?          uint32
| | | | | | +--rw ospfv3:mtu-ignore?          empty

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| | | | +--rw ospfv3:network?          enumeration
| | | | +--rw ospfv3:priority?         uint32
| | | | +--rw ospfv3:suppress-linklsa? empty
| | | | +--rw ospfv3:authentication
| | | | | +--rw ospfv3:key-chain?      string
| | | | | +--rw ospfv3:ipsec-auth-key-config
| | | | | | +--rw ospfv3:spi?          spi-value-type
| | | | | | +--rw (ospfv3:ch-algorithm)?
| | | | | |   +--:(ospfv3:ca-ah-algorithm)
| | | | | | | +--rw ospfv3:ah?      algorithm-type-ah
| | | | | | | +--rw ospfv3:ah-key?  ipsec-authentication-hexkey-string
| | | | | |   +--:(ospfv3:ca-esp-algorithm)
| | | | | |   +--rw ospfv3:esp?     algorithm-type-esp
| | | | | |   +--rw ospfv3:esp-auth? algorithm-type-ah
| | | | | |   +--rw ospfv3:esp-auth-key? ipsec-authentication-hexkey-string
| | | | | +--rw ospfv3:ipsec
| | | | | | +--rw ospfv3:ipsec-authentication-disable? empty
| | | | | | +--rw ospfv3:ifc-key-add-remove-interval? common-def:time-interval-
sec
| | | | | +--rw ospfv3:link-interval-properties
| | | | | | +--rw ospfv3:hello-interval? common-def:time-interval-sec
| | | | | | +--rw ospfv3:dead-interval? common-def:time-interval-sec
| | | | | | +--rw ospfv3:hello-jitter?  uint32
| | | | | | +--rw ospfv3:retransmit-interval? common-def:time-interval-sec
| | | | | | +--rw ospfv3:transmit-delay? common-def:time-interval-sec
| | | | +--rw pim:pim-intf-phy-cont
| | | | | +--rw pim:ipv6-pim-int-cmd
| | | | | | +--rw pim:pim-sparse?      empty
| | | | | | +--rw pim:pim
| | | | | | | +--rw pim:neighbor-filter? ip-prefix-name-t
| | | | | | | +--rw pim:dr-priority?   uint32
| | | | | | | +--rw pim:ttl-threshold? uint32
| | | | | | | +--rw pim:mcast-bdry-prefix-list? ip-prefix-name-t
| | | | +--rw vrrpv3:vrrpv3-group* [vrid]
| | | | | +--rw vrrpv3:vrid            vrid-type
| | | | | +--rw vrrpv3:use-v2-checksum? empty
| | | | | +--rw vrrpv3:virtual-ip* [virtual-ipaddr]
| | | | | | +--rw vrrpv3:virtual-ipaddr inet:ipv6-address
| | | | | +--rw vrrpv3:track
| | | | | | +--rw vrrpv3:interface* [interface-type interface-name]
| | | | | | | +--rw vrrpv3:interface-type track-iftype
| | | | | | | +--rw vrrpv3:interface-name track-ifname
| | | | | | | +--rw vrrpv3:track-priority? uint8
| | | | | | +--rw vrrpv3:advertisement-interval? uint32
| | | | | | +--rw vrrpv3:enable?          empty
| | | | | | +--rw vrrpv3:hold-time?      uint32
| | | | | | +--rw vrrpv3:preempt-mode?   empty
| | | | | | +--rw vrrpv3:priority?      uint8
| | | | | | +--rw vrrpv3:description?   string
| | | | +--rw vrrpv3:vrrpv3e-group* [vrid]
| | | | | +--rw vrrpv3:vrid            vrrpe-vrid-type
| | | | | +--rw vrrpv3:virtual-ip* [virtual-ipaddr]
| | | | | | +--rw vrrpv3:virtual-ipaddr inet:ipv6-address
| | | | | +--rw vrrpv3:track
| | | | | | +--rw vrrpv3:interface* [interface-type interface-name]
| | | | | | | +--rw vrrpv3:interface-type track-iftype
| | | | | | | +--rw vrrpv3:interface-name track-ifname
| | | | | | | +--rw vrrpv3:track-priority? uint8
| | | | | | +--rw vrrpv3:enable?          empty
| | | | | | +--rw vrrpv3:hold-time?      uint32
| | | | | | +--rw vrrpv3:preempt-mode?   empty
| | | | | | +--rw vrrpv3:priority?      uint8
| | | | | | +--rw vrrpv3:description?   string
| | | | | +--rw vrrpv3:advertise-backup? empty

```

```

| | |   +--rw vrrpv3:nd-advertisement-timer?      uint32
| | |   +--rw vrrpv3:advertisement-interval-scale?  uint32
| | |   +--rw vrrpv3:backup-advertisement-interval?  uint32
| | |   +--rw vrrpv3:vrrpe-advertisement-interval?  uint32
| | |   +--rw vrrpv3:short-path-forwarding
| | |     +--rw vrrpv3:basic?      empty
| | |     +--rw vrrpv3:revert-priority?  uint8
| | +--rw track
| | |   +--rw track_enable?  empty
| | |   +--rw min-link?      uint32
| | |   +--rw interface* [track-interface-type track-interface-name]
| | |     | +--rw track-interface-type  enumeration
| | |     | +--rw track-interface-name  string
| | |   +--rw remove
| | |     +--rw remove-all-track-interfaces?  empty
| | +--rw bfd
| | |   +--rw interval
| | |     | +--rw min-tx?      bfd-tx-interval-type
| | |     | +--rw min-rx?      bfd-rx-interval-type
| | |     | +--rw multiplier?  bfd-multiplier-type
| | |     +--rw bfd-shutdown?  empty
| | +--rw snmp
| | |   +--rw trap
| | |     +--rw link-status
| | |     +--rw snmp-link-disable?  empty
| | +--rw redundant-management
| | |   +--rw redundant-enable?  empty
| | +--rw vepa
| | |   +--rw vepa-enable?  empty
| | +--rw edge-loop-detection-native
| | |   +--rw loop-detection-native?  empty
| | +--rw edge-loop-detection
| | |   +--rw eldprio?      uint32
| | |   +--rw eldshutdown-disable?  empty
| | |   +--rw eldvlan?      ui32-vlan-range
| | +--rw priority-tag-enable?      empty
| | +--rw strip-header?      enumeration
| | +--rw endpoint-tracking
| | |   +--rw endpoint-tracking-enable?  empty
| | |   +--rw timeout
| | |     +--rw reauth-period?  uint32
| | +--rw bpdu-drop-enable?      empty
| | +--rw core-isolation-track?  empty
| | +--rw ethernet-segment!
| | |   +--rw esi?      string
| | |   +--rw load-balance-mode?  enumeration
| | |   +--rw advertise
| | |     +--rw capability
| | |     +--rw ac-influenced-df-election?  empty
| | +--rw tunable-optics
| | |   +--rw sfpp
| | |     +--rw channel?  tunable-optics-sfpp-channel-type
| | +--rw mac-access-list:mac
| | |   +--rw mac-access-list:access-group* [mac-access-list mac-direction]
| | |     +--rw mac-access-list:mac-access-list  mac-acl-name
| | |     +--rw mac-access-list:mac-direction  enumeration
| | |     +--rw mac-access-list:traffic-type?  enumeration
| | +--rw lif:logical-interface
| | |   +--rw lif:ethernet* [instance-id]
| | |     +--rw lif:instance-id  lif-interface-type
| | |     +--rw lif:shutdown?  empty
| | |     +--rw lif:name?      string
| | |     +--rw lif:untagged
| | |     | +--rw lif:untagged-vlan

```

```

| | | | +--rw lif:untagged-vlan-id? uint32
| | | | +--rw lif:tagged-outer-vlan
| | | | +--rw lif:outer-tagged-vlan-id? uint32
| | | | +--rw lif:inner-tagged-vlan-id? uint32
| | +--rw qos-mls:storm-control
| | | +--rw qos-mls:ingress* [protocol-type]
| | | | +--rw qos-mls:protocol-type enumeration
| | | | +--rw qos-mls:rate-format? enumeration
| | | | +--rw qos-mls:rate-bps? rate-limit-bps-type
| | | | +--rw qos-mls:rate-percent? rate-limit-percentage-type
| | | | +--rw qos-mls:bum-action? enumeration
| | +--rw qos-mls:qos
| | | +--rw qos-mls:default-cos? cos-id-type
| | | +--rw qos-mls:default-tc? traffic-class-id-type
| | | +--rw qos-mls:trust
| | | | +--rw qos-mls:trust-cos? empty
| | | | | +--rw qos-mls:trust-dscp? empty
| | | | +--rw qos-mls:remark
| | | | | +--rw qos-mls:remark-dscp? empty
| | | | +--rw qos-mls:cos-mutation? map-name-type
| | | | +--rw qos-mls:cos-mutation-builtin
| | | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | | +--rw qos-mls:traffic-class-cos? map-name-type
| | | | +--rw qos-mls:traffic-class-cos-builtin
| | | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | | +--rw qos-mls:cos-traffic-class? map-name-type
| | | | +--rw qos-mls:cos-traffic-class-builtin
| | | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | | +--rw qos-mls:traffic-class-dscp? map-name-type
| | | | +--rw qos-mls:traffic-class-dscp-builtin
| | | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | | +--rw qos-mls:dscp-mutation? map-name-type
| | | | +--rw qos-mls:dscp-mutation-builtin
| | | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | | +--rw qos-mls:dscp-traffic-class? map-name-type
| | | | +--rw qos-mls:dscp-traffic-class-builtin
| | | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | | +--rw qos-mls:dscp-cos? map-name-type
| | | | +--rw qos-mls:dscp-cos-builtin
| | | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | | +--rw qos-mls:random-detect
| | | | | +--rw qos-mls:traffic-class* [red-tc-value red-dp-value]
| | | | | | +--rw qos-mls:red-tc-value traffic-class-id-type
| | | | | | +--rw qos-mls:red-dp-value drop-precedence-id-type
| | | | | | +--rw qos-mls:red-profile-id? red-profile-id-type
| | | | +--rw qos-mls:drop-monitor
| | | | | +--rw qos-mls:drop-monitor-enable? empty
| | | | +--rw qos-mls:port-speed-up? uint32
| | | +--rw qos-mls:flowcontrol
| | | | +--rw qos-mls:link-level-flowcontrol
| | | | | +--rw qos-mls:flowcontrol-tx? enumeration
| | | | | | +--rw qos-mls:flowcontrol-rx? enumeration
| | | | +--rw qos-mls:pfc* [pfc-cos]
| | | | | +--rw qos-mls:pfc-cos cos-id-type
| | | | | +--rw qos-mls:pfc-flowcontrol-tx enumeration
| | | | | +--rw qos-mls:pfc-flowcontrol-rx enumeration
| | | | +--rw qos-mls:threshold
| | | | | +--rw qos-mls:threshold-tx-on? flowcontrol-threshold-type
| | | | | | +--rw qos-mls:threshold-tx-off? flowcontrol-threshold-type
| | | | +--rw qos-mls:pfc-threshold
| | | | | +--rw qos-mls:threshold
| | | | | | +--rw qos-mls:pfc* [pfc-threshold-cos]
| | | | | | | +--rw qos-mls:pfc-threshold-cos cos-id-type
| | | | | | | +--rw qos-mls:pfc-threshold-tx-on? flowcontrol-threshold-type

```

```

| | | | +--rw qos-mls:pfc-threshold-tx-off? flowcontrol-threshold-type
| | | +--rw qos-mls:rx-queue
| | | +--rw qos-mls:cos-threshold
| | | | +--rw qos-mls:cos0-threshold? uint32
| | | | +--rw qos-mls:cos1-threshold? uint32
| | | | +--rw qos-mls:cos2-threshold? uint32
| | | | +--rw qos-mls:cos3-threshold? uint32
| | | | +--rw qos-mls:cos4-threshold? uint32
| | | | +--rw qos-mls:cos5-threshold? uint32
| | | | +--rw qos-mls:cos6-threshold? uint32
| | | | +--rw qos-mls:cos7-threshold? uint32
| | | +--rw qos-mls:unicast
| | | | +--rw qos-mls:queue-size* [traffic-class]
| | | | +--rw qos-mls:traffic-class traffic-class-id-type
| | | | +--rw qos-mls:min-queue-size? min-queue-size-type
| | | | +--rw qos-mls:max-queue-size? max-queue-size-type
| | | +--rw qos-mls:multicast
| | | | +--rw qos-mls:guarantee-rate? guarantee-rate-type
| | | | +--rw qos-mls:best-effort-rate? best-effort-rate-type
| | | | +--rw qos-mls:queue-size* [traffic-class]
| | | | +--rw qos-mls:traffic-class uint8
| | | | +--rw qos-mls:min-queue-size? min-queue-size-type
| | | | +--rw qos-mls:max-queue-size? max-queue-size-type
| | +--rw sflow:sflow
| | | +--rw sflow:enable? empty
| | | +--rw sflow:polling-interval? uint32
| | | +--rw sflow:sample-rate? uint32
| | +--rw qos-mqc:service-policy
| | | +--rw qos-mqc:in? map-name-type
| | | +--rw qos-mqc:out? map-name-type
| | +--rw ip-config:ip-forward
| | | +--rw ip-config:ip
| | | +--rw ip-config:forward? empty
| | +--rw dle:delay-link-event
| | | +--rw dle:delay-link
| | | +--rw dle:delay-link-event-entry? uint32
| | | +--rw dle:delay-link-event-type? enumeration
| | +--rw dot1x:dot1x
| | | +--rw dot1x:authentication? empty
| | | +--rw dot1x:port-control? enumeration
| | | +--rw dot1x:protocol-version? uint32
| | | +--rw dot1x:quiet-period? uint32
| | | +--rw dot1x:reauthMax? uint32
| | | +--rw dot1x:max-req? uint32
| | | +--rw dot1x:reauthentication? empty
| | | +--rw dot1x:filter-strict-security? empty
| | | +--rw dot1x:timeout
| | | | +--rw dot1x:re-authperiod? dot1x-reauth-timeout-interval
| | | | +--rw dot1x:supp-timeout? dot1x-supp-timeout-interval
| | | | +--rw dot1x:tx-period? dot1x-tx-timeout-interval
| | +--rw dot3ah:link-oam-interface
| | | +--rw dot3ah:enable? enumeration
| | | +--rw dot3ah:allow-loopback? empty
| | | +--rw dot3ah:remote-failure
| | | | +--rw dot3ah:dying-gasp
| | | | | +--rw dot3ah:dying-gasp-action? action-type
| | | | +--rw dot3ah:link-fault
| | | | | +--rw dot3ah:link-fault-action? action-type
| | | | +--rw dot3ah:critical-event
| | | | | +--rw dot3ah:critical-event-action? action-type
| | +--rw ip-access-list:ip-acl-interface
| | | +--rw ip-access-list:ip
| | | | +--rw ip-access-list:access-group* [ip-access-list ip-direction]
| | | | +--rw ip-access-list:ip-access-list l3-acl-policy-name

```

```

| | | +--rw ip-access-list:ip-direction enumeration
| | | +--rw ip-access-list:traffic-type? enumeration
| | +--rw ip-access-list:ip-subnet-broadcast-acl-interface
| | | +--rw ip-access-list:ip
| | | | +--rw ip-access-list:subnet-broadcast-acl* [ip-access-list]
| | | | +--rw ip-access-list:ip-access-list 13-acl-policy-name
| | +--rw ip-policy:ip-pbr-interface
| | | +--rw ip-policy:ip
| | | | +--rw ip-policy:policy
| | | | +--rw ip-policy:route-map
| | | | | +--rw ip-policy:route-map-name? common-def:name-string63
| | +--rw isis:interface-eth-isis-conf
| | | +--rw isis:intf-isis!
| | | | +--rw isis:interface-isis
| | | | | +--rw isis:auth-check
| | | | | | +--rw isis:auth-check-level1
| | | | | | | +--rw isis:interface-auth-check-level1-disable? empty
| | | | | | | +--rw isis:auth-check-level2
| | | | | | | | +--rw isis:interface-auth-check-level2-disable? empty
| | | | | +--rw isis:interface-reverse-metric!
| | | | | | +--rw isis:rev-metric-common-attributes
| | | | | | | +--rw isis:rev-metric-val? uint32
| | | | | | | +--rw isis:rev-metric-whole-lan? empty
| | | | | | | +--rw isis:rev-metric-te-def-metric? empty
| | | | +--rw isis:interface-auth-mode
| | | | | +--rw isis:interface-md5
| | | | | | +--rw isis:interface-auth-mode-md5-level1? empty
| | | | | | +--rw isis:interface-auth-mode-md5-level2? empty
| | | | +--rw isis:interface-auth-key* [interface-auth-key-level]
| | | | | +--rw isis:interface-auth-key-level enumeration
| | | | | +--rw isis:interface-auth-key-str? string
| | | | +--rw isis:interface-hello
| | | | | +--rw isis:interface-hello-padding
| | | | | | +--rw isis:interface-hello-padding-disable? empty
| | | | +--rw isis:interface-hello-interval* [interface-hello-interval-level]
| | | | | +--rw isis:interface-hello-interval-level enumeration
| | | | | +--rw isis:interface-hello-interval-val? uint32
| | | | +--rw isis:interface-hello-multiplier* [interface-hello-multiplier-level]
| | | | | +--rw isis:interface-hello-multiplier-level enumeration
| | | | | +--rw isis:interface-hello-multiplier-val? uint32
| | | | +--rw isis:circuit-type? enumeration
| | | | +--rw isis:interface-ipv6
| | | | | +--rw isis:interface-ipv6-metric* [interface-ipv6-metric-level]
| | | | | | +--rw isis:interface-ipv6-metric-level enumeration
| | | | | | +--rw isis:interface-ipv6-metric-val? uint32
| | | | +--rw isis:interface-metric* [interface-metric-level]
| | | | | +--rw isis:interface-metric-level enumeration
| | | | | +--rw isis:interface-metric-val? uint32
| | | | +--rw isis:interface-point-to-point? empty
| | | | +--rw isis:interface-passive? empty
| | | | +--rw isis:interface-priority
| | | | | +--rw isis:interface-priority-level1? uint32
| | | | | +--rw isis:interface-priority-level2? uint32
| | | | +--rw isis:interface-bfd
| | | | | +--rw isis:interface-bfd-enable? empty
| | | | +--rw isis:interface-ldp-sync? enumeration
| | | | +--rw isis:segment-routing
| | | | | +--rw isis:interface-segment-routing-disable? empty
| | | | +--rw isis:segment-routing-prefix-sid
| | | | | +--rw isis:sr-prefix-sid-value? uint32
| | +--rw lacp-pdu-forward:lacp-pdu-forward
| | | +--rw lacp-pdu-forward:enable? empty
| | +--rw lacp:lacp
| | | +--rw lacp:timeout? enumeration

```

```

| | | +--rw lacp:std_port-priority? uint32
| | | +--rw lacp:default-up? empty
| | +--rw lfs:link-fault-signaling
| | | +--rw lfs:rx? enumeration
| | | +--rw lfs:tx? enumeration
| | +--rw lldp:lldp
| | | +--rw lldp:cee
| | | | +--rw lldp:lldp-cee-on-off? enumeration
| | | +--rw lldp:disable? empty
| | | +--rw lldp:profile? string
| | +--rw vrrp:vrrp* [vrid version]
| | | +--rw vrrp:vrid vrid-type
| | | +--rw vrrp:version uint8
| | | +--rw vrrp:use-v2-checksum? empty
| | | +--rw vrrp:virtual-ip* [virtual-ipaddr]
| | | | +--rw vrrp:virtual-ipaddr inet:ipv4-address
| | | +--rw vrrp:track
| | | | +--rw vrrp:interface* [interface-type interface-name]
| | | | | +--rw vrrp:interface-type track-iftype
| | | | | +--rw vrrp:interface-name track-ifname
| | | | | +--rw vrrp:track-priority? uint8
| | | +--rw vrrp:advertisement-interval? uint32
| | | +--rw vrrp:enable? empty
| | | +--rw vrrp:hold-time? uint32
| | | +--rw vrrp:preempt-mode? empty
| | | +--rw vrrp:arp
| | | | +--rw vrrp:unicast-request
| | | | | +--rw vrrp:receive? empty
| | | +--rw vrrp:priority? uint8
| | | +--rw vrrp:description? string
| | +--rw mct:cluster-client
| | | +--rw mct:client-id? mct-eth-client-id-type
| | +--rw mct:cluster-track
| | | +--rw mct:cluster-track-flag? empty
| | +--rw mvrp:mvrp-intf
| | | +--rw mvrp:intf-enable? empty
| | | +--rw mvrp:applicant-mode? applicant-state-type
| | | +--rw mvrp:registration-mode
| | | | +--rw mvrp:forbidden
| | | | +--rw mvrp:vlan
| | | | | +--rw mvrp:add? member-vlan-id
| | | | | +--rw mvrp:remove? member-vlan-id
| | | +--rw mvrp:timer
| | | | +--rw mvrp:join? uint32
| | | | +--rw mvrp:leave? uint32
| | | | +--rw mvrp:leave-all? uint32
| | +--rw openflow:openflow
| | | +--rw openflow:protected-vlans
| | | | +--rw openflow:protected-vlan-add? ui32-vlan-range
| | | | +--rw openflow:protected-vlan-remove? ui32-vlan-range
| | | +--rw openflow:enableInterfaceLevel
| | | +--rw openflow:modeType? enumeration
| | | +--rw openflow:hybrid-mode? empty
| | +--rw pld:link-error-disable
| | | +--rw pld:link-error-disable-entry? uint32
| | | +--rw pld:sampling-time-in-sec? uint32
| | | +--rw pld:wait-time-in-sec? uint32
| | +--rw rmon:rmon
| | | +--rw rmon:collection
| | | | +--rw rmon:ether-stats-entry* [ether-stats-index]
| | | | | +--rw rmon:ether-stats-index ether-stats-index-type
| | | | | +--rw rmon:ether-stats-owner? owner-string
| | | | +--rw rmon:history-control-entry* [history-control-index]
| | | | | +--rw rmon:history-control-index history-control-index-

```

```

type
  | | | +--rw rmon:history-control-buckets-requested? history-control-buckets-
requested-type
  | | | +--rw rmon:history-control-interval? history-control-interval-
type
  | | | +--rw rmon:history-control-owner? owner-string
  | | +--rw rpf:rpf
  | | | +--rw rpf:mode? enumeration
  | | +--rw uda-access-list:uda
  | | | +--rw uda-access-list:access-group* [uda-access-list uda-direction]
  | | | | +--rw uda-access-list:uda-access-list uda-acl-name
  | | | | +--rw uda-access-list:uda-direction enumeration
  | | | +--rw uda-access-list:policy
  | | | +--rw uda-access-list:route-map? route-map-type
  | | +--rw uda-access-list:offsets-container
  | | | +--rw uda-access-list:offsets? uda-profile-name
  | | +--rw udld:udld
  | | | +--rw udld:udld-enable? empty
  | | +--rw xstp:spanning-tree
  | | | +--rw xstp:autoedge? empty
  | | | +--rw xstp:cost? uint32
  | | | +--rw xstp:portfast
  | | | | +--rw xstp:portfastbasic? empty
  | | | | +--rw xstp:bpdu-guard? empty
  | | | +--rw xstp:edgeport
  | | | | +--rw xstp:edgeportbasic? empty
  | | | | +--rw xstp:bpdu-guard? empty
  | | | +--rw xstp:guard
  | | | | +--rw xstp:root? empty
  | | | +--rw xstp:bpdu-mac? enumeration
  | | | +--rw xstp:link-type? enumeration
  | | | +--rw xstp:priority? uint32
  | | | +--rw xstp:restricted-role? empty
  | | | +--rw xstp:restricted-tcn? empty
  | | | +--rw xstp:shutdown? empty
  | | | +--rw xstp:vlan* [id]
  | | | | +--rw xstp:id uint32
  | | | | +--rw xstp:cost? uint32
  | | | | +--rw xstp:priority? uint32
  | | | | +--rw xstp:guard
  | | | | | +--rw xstp:root? empty
  | | | +--rw xstp:instance* [id]
  | | | | +--rw xstp:id mstp-instance-type
  | | | | +--rw xstp:cost? uint32
  | | | | +--rw xstp:priority? uint32
  | | | | +--rw xstp:restricted-role? empty
  | | | | +--rw xstp:restricted-tcn? empty
  | | +--rw port-channel* [name]
  | | | +--rw name portchannel-type
  | | | +--rw cee? cee-map-name-type
  | | | +--rw vlag
  | | | | +--rw ignore-split? empty
  | | | +--rw po-speed? enumeration
  | | | +--rw vrf
  | | | | +--rw forwarding? common-def:vrf-name
  | | | +--rw insight
  | | | | +--rw insight-enable? empty
  | | | | +--rw insight-mmId? uint32
  | | | +--rw reload-delay
  | | | | +--rw reload-delay-enable? empty
  | | | | +--rw reload-delay-time? reload-delay-type
  | | | +--ro ifindex? uint64
  | | | +--rw description? string
  | | | +--rw shutdown? empty

```

```

| | +--rw minimum-links?                               uint32
| | +--rw mtu?                                         mtu-type
| | +--rw route-only?                                 empty
| | +--rw tag-type?                                   tpid-type
| | +--rw maintenance-mode!
| | | +--rw rate-monitoring!
| | | | +--rw threshold?   maint-mode-threshold
| | +--rw switchport-basic
| | | +--rw basic?     empty
| | +--rw switchport
| | | +--rw mode
| | | | +--rw vlan-mode?   l2-mode-type
| | | +--rw port-security!
| | | | +--rw port-sec-max?           uint32
| | | | +--rw port-sec-violation?     port-sec-violation
| | | | +--rw port-security-mac-address* [mac-address port-sec-vlan]
| | | | | +--rw mac-address           mac-address-type
| | | | | +--rw port-sec-vlan         vlan-type
| | | | +--rw sticky
| | | | | +--rw sticky-flag?           empty
| | | | | +--rw port-security-mac-address* [mac-address port-sec-vlan]
| | | | | | +--rw mac-address         mac-address-type
| | | | | | +--rw port-sec-vlan       vlan-type
| | | | | +--rw shutdown-time?       uint32
| | | +--rw access
| | | | +--rw accessvlan?   vlan-type
| | | x--rw access-mac-vlan-classification
| | | | +--rw access
| | | | | +--rw vlan* [access-vlan-id access-mac-address]
| | | | | | +--rw access-vlan-id       vlan-type
| | | | | | +--rw access-mac-address   mac-address-type
| | | | x--rw access-mac-group-vlan-classification
| | | | | +--rw access
| | | | | | +--rw vlan* [access-vlan-id access-mac-group]
| | | | | | +--rw access-vlan-id       vlan-type
| | | | | | +--rw access-mac-group     mac-group-id-type
| | | +--rw trunk
| | | | +--rw allowed
| | | | | +--rw vlan
| | | | | | +--rw all?           empty
| | | | | | +--rw none?         empty
| | | | | | +--rw add?           ui32-vlan-20k-range
| | | | | | +--rw except?       ui32-1k-vlan-range
| | | | | | +--rw remove?       ui32-1k-vlan-range
| | | | | x--rw vlanoper
| | | | | | +--rw vlan
| | | | | | | +--rw add?         ui32-vlan-range
| | | | | | | +--rw remove?     ui32-vlan-range
| | | | x--rw trunk-vlan-classification
| | | | | +--rw allowed
| | | | | | +--rw vlan
| | | | | | | +--rw add* [trunk-vlan-id]
| | | | | | | | +--rw trunk-vlan-id   non-dot1q-vlan-type
| | | | | | | | +--rw trunk-ctag-range? ui32-ctag-range
| | | | | | | +--rw remove* [trunk-vlan-id]
| | | | | | | | +--rw trunk-vlan-id   non-dot1q-vlan-type
| | | | | | | | +--rw trunk-ctag-range? ui32-ctag-range
| | | | x--rw default-vlan-config
| | | | | +--rw default-transparent-vlan? non-dot1q-vlan-type
| | | | +--rw tag!
| | | | | +--rw native-vlan?   empty
| | | | +--rw native-vlan-classification
| | | | | +--rw native-vlan-id?   native-vlan-type
| | | | | x--rw native-vlan-ctag-id? dot1q-vlan-type

```

```

| | | x--rw native-vlan-xtagged-config
| | | | +--rw native-vlan-id-xtagged?          vlan-type
| | | | +--rw native-vlan-ctag-id-xtagged?     dot1q-vlan-type
| | | | +--rw native-vlan-egress-type-xtagged? enumeration
| | | x--rw native-vlan-untagged-config
| | | | +--rw native-vlan-id-untagged?        vlan-type
| | +--rw bfd-software-session?              empty
| | +--rw ip
| | | +--rw source-guard
| | | | +--rw source-guard-enable?          empty
| | | +--rw ip-config:ip-config
| | | | +--rw ip-config:mtu?                ip-mtu
| | | | +--rw ip-config:directed-broadcast? empty
| | | | +--rw ip-config:irdp?              empty
| | | | +--rw ip-config:proxy-arp?         empty
| | | | +--rw ip-config:arp
| | | | | +--rw ip-config:learn-any?        empty
| | | | +--rw ip-config:arp-aging-timeout?  uint32
| | | | +--rw ip-config:address* [address]
| | | | | +--rw ip-config:address          union
| | | | | +--rw ip-config:secondary?      empty
| | | | | +--rw ip-config:ospf-passive?    empty
| | | | | +--rw ip-config:ospf-ignore?     empty
| | | | +--rw ip-config:unnumbered
| | | | +--rw ip-config:ip-donor-interface-type? ip-unnumbered-donor-interface-
type_t
| | | | +--rw ip-config:ip-donor-interface-name? ip-unnumbered-donor-interface-
name_t
| | | +--rw dai:arp
| | | | +--rw dai:inspection
| | | | +--rw dai:trust?                  empty
| | | | +--rw dai:filter
| | | | | +--rw dai:acl-name?             dai-acl-policy-name
| | | +--rw dhcp:interface-po-dhcp-conf
| | | | +--rw dhcp:dhcp
| | | | | +--rw dhcp:relay
| | | | | | +--rw dhcp:servers* [relay-ip-addr server-vrf-name]
| | | | | | | +--rw dhcp:relay-ip-addr     dhcp-ipv4-address
| | | | | | | +--rw dhcp:server-vrf-name   common-def:vrf-name
| | | | | +--rw dhcp:gateway
| | | | | | +--rw dhcp:gateway-address?    dhcp-ipv4-address
| | | | | | +--rw dhcp:gw-intf-type?       dhcp-gateway-interface-type
| | | | | | +--rw dhcp:gw-intf-name?       dhcp-gateway-interface-name
| | | +--rw dhcp:dhcp
| | | | +--rw dhcp:snooping
| | | | | +--rw dhcp:dhcp-snooping-trust?  empty
| | | +--rw icmp:icmp
| | | | +--rw icmp:rate-limiting?         uint32
| | | | +--rw icmp:echo-reply?            empty
| | | | +--rw icmp:redirect?              empty
| | | | +--rw icmp:unreachable?           empty
| | | +--rw isis:intf-router-isis
| | | | +--rw isis:int-router-isis
| | | | | +--rw isis:interface-ip-router-isis? empty
| | | +--rw ospf:interface-PO-ospf-conf
| | | | +--rw ospf:ospf1
| | | | | +--rw ospf:area?                  ospf-area-id
| | | | | +--rw ospf:auth-change-wait-time? common-def:time-interval-sec
| | | | | +--rw ospf:authentication-key
| | | | | | +--rw ospf:no-encrypt-auth-key-table
| | | | | | | +--rw ospf:no-encrypt-auth-key? ospf-auth-psswd-string
| | | | | | +--rw ospf:auth-key-table
| | | | | | | +--rw ospf:encrypttype?       key-type
| | | | | | +--rw ospf:auth-key?           ospf-auth-psswd-string

```

```

| | | +--rw ospf:authentication
| | | | +--rw ospf:key-chain? ospf-keychain-string
| | | +--rw ospf:hello-interval? common-def:time-interval-sec
| | | +--rw ospf:dead-interval? common-def:time-interval-sec
| | | +--rw ospf:retransmit-interval? common-def:time-interval-sec
| | | +--rw ospf:transmit-delay? common-def:time-interval-sec
| | | +--rw ospf:md5-authentication
| | | | +--rw ospf:key-activation-wait-time? common-def:time-interval-sec
| | | | +--rw ospf:no-encrypt-key-table
| | | | | +--rw ospf:no-encrypt-key-id? uint32
| | | | | +--rw ospf:no-encrypt-key? ospf-auth-psswd-string
| | | | +--rw ospf:key-table
| | | | | +--rw ospf:key-id? uint32
| | | | | +--rw ospf:key? key-type
| | | | | +--rw ospf:md5-authentication-key? ospf-auth-psswd-string
| | | +--rw ospf:cost? uint32
| | | +--rw ospf:network? enumeration
| | | +--rw ospf:intf-ldp-sync? enumeration
| | | +--rw ospf:database-filter
| | | | +--rw ospf:all-out? empty
| | | | +--rw ospf:all-external? database-filter-options
| | | | +--rw ospf:all-summary-external? database-filter-options
| | | +--rw ospf:mtu-ignore? empty
| | | +--rw ospf:active? empty
| | | +--rw ospf:passive? empty
| | | +--rw ospf:priority? uint32
| | | +--rw ospf:bfd
| | | | +--rw ospf:intf-bfd-enable? empty
| | +--rw ipv6
| | | +--rw raguard? empty
| | | +--rw ipv6-config:ipv6-config
| | | | +--rw ipv6-config:address
| | | | | +--rw ipv6-config:use-link-local-only? empty
| | | | | +--rw ipv6-config:link-local-config
| | | | | | +--rw ipv6-config:link-local-address? inet:ipv6-address
| | | | | | +--rw ipv6-config:link-local? empty
| | | | | +--rw ipv6-config:ipv6-address* [address]
| | | | | | +--rw ipv6-config:address union
| | | | | | +--rw ipv6-config:secondary? empty
| | | | | | +--rw ipv6-config:eui-config
| | | | | | | +--rw ipv6-config:eui64? empty
| | | | | | | +--rw ipv6-config:eui-secondary? empty
| | | | | | +--rw ipv6-config:anycast? empty
| | | | +--rw ipv6-config:mtu? ip-mtu
| | | +--rw dhcpv6:interface-po-dhcp-conf
| | | | +--rw dhcpv6:dhcp
| | | | | +--rw dhcpv6:relay
| | | | | | +--rw dhcpv6:servers* [relay-ip-addr]
| | | | | | | +--rw dhcpv6:relay-ip-addr dhcp-ipv6-address
| | | | | | | +--rw dhcpv6:server-vrf-name? common-def:vrf-name
| | | | | | | +--rw dhcpv6:interface
| | | | | | | | +--rw dhcpv6:interface-type? dhcpv6-iftype
| | | | | | | | +--rw dhcpv6:interface-name? dhcpv6-ifname
| | | | | | +--rw dhcpv6:source-interface
| | | | | | | +--rw dhcpv6:source-intf-type? dhcpv6-relay-src-interface-type
| | | | | | | +--rw dhcpv6:source-intf-name? dhcpv6-src-ifname
| | | | | | | +--rw dhcpv6:source-ip? dhcp-ipv6-address
| | | | | | +--rw dhcpv6:maximum-delegated-prefixes? dhcpv6-delegatedprefix
| | | | | | +--rw dhcpv6:distance? dhcpv6-distance
| | | +--rw icmp:icmpv6
| | | | +--rw icmp:rate-limiting? uint32
| | | | +--rw icmp:echo-reply? empty
| | | | +--rw icmp:redirect? empty
| | | | +--rw icmp:unreachable? empty

```

```

| | | +--rw ipv6-access-list:access-group* [ipv6-access-list ip-direction]
| | | | +--rw ipv6-access-list:ipv6-access-list    ipv6-l3-acl-policy-name
| | | | +--rw ipv6-access-list:ip-direction        enumeration
| | | | +--rw ipv6-access-list:traffic-type?       enumeration
| | | +--rw ip-policy:policy
| | | | +--rw ip-policy:route-map
| | | | | +--rw ip-policy:ipv6-route-map-name?    common-def:name-string63
| | | +--rw ipv6-nd-ra:ipv6-nd-ra
| | | | +--rw ipv6-nd-ra:ipv6-intfc-cmds
| | | | | +--rw ipv6-nd-ra:vrrp-suppress-interface-ra?  empty
| | | | | +--rw ipv6-nd-ra:nd
| | | | | | +--rw ipv6-nd-ra:managed-config-flag?  empty
| | | | | | +--rw ipv6-nd-ra:other-config-flag?   empty
| | | | | | +--rw ipv6-nd-ra:broadcast-mac-trap?  empty
| | | | | | +--rw ipv6-nd-ra:ra-lifetime?        common-def:time-interval-sec
| | | | | | +--rw ipv6-nd-ra:reachable-time?    common-def:time-interval-msec
| | | | | | +--rw ipv6-nd-ra:mtu?               uint32
| | | | | | +--rw ipv6-nd-ra:retrans-timer?    common-def:time-interval-msec
| | | | | | +--rw ipv6-nd-ra:hoplimit?         uint32
| | | | | | +--rw ipv6-nd-ra:ns-interval?      common-def:time-interval-sec
| | | | | | +--rw ipv6-nd-ra:suppress-ra
| | | | | | | +--rw ipv6-nd-ra:suppress-ra-flag?  empty
| | | | | | | +--rw ipv6-nd-ra:suppress-ra-mtu?  empty
| | | | | | | +--rw ipv6-nd-ra:suppress-ra-all?  empty
| | | | | | +--rw ipv6-nd-ra:ra-interval
| | | | | | | +--rw ipv6-nd-ra:max-interval?    common-def:time-interval-sec
| | | | | | | +--rw ipv6-nd-ra:min?            common-def:time-interval-sec
| | | | | | | +--rw ipv6-nd-ra:send-ra?        empty
| | | | | | +--rw ipv6-nd-ra:router-preference
| | | | | | | +--rw ipv6-nd-ra:router-pref-high?  empty
| | | | | | | +--rw ipv6-nd-ra:router-pref-low?  empty
| | | | | | | +--rw ipv6-nd-ra:router-pref-medium? empty
| | | | | | +--rw ipv6-nd-ra:ra-dns-server* [dns-server-prefix]
| | | | | | | +--rw ipv6-nd-ra:dns-server-prefix  inet:ipv6-
address
| | | | | | | +--rw ipv6-nd-ra:dns-server-lifetime-multiplier?  uint32
| | | | | | +--rw ipv6-nd-ra:ra-domain-name* [domain-name-string]
| | | | | | | +--rw ipv6-nd-ra:domain-name-string                string
| | | | | | | +--rw ipv6-nd-ra:domain-name-lifetime-multiplier?  uint32
| | | | | | +--rw ipv6-nd-ra:address
| | | | | | | +--rw ipv6-nd-ra:suppressing-address* [suppress-ipv6-address]
| | | | | | | | +--rw ipv6-nd-ra:suppress-ipv6-address  nd-suppress-ipv6-
address
| | | | | | | | +--rw ipv6-nd-ra:suppress-per-address?  empty
| | | | | | | | +--rw ipv6-nd-ra:address-suppress-all?  empty
| | | | | | +--rw ipv6-nd-ra:dad
| | | | | | | +--rw ipv6-nd-ra:attempts?  uint32
| | | | | | | +--rw ipv6-nd-ra:time?      common-def:time-interval-sec
| | | | | | +--rw ipv6-nd-ra:cache
| | | | | | | +--rw ipv6-nd-ra:expire?    common-def:time-interval-sec
| | | | | | | +--rw ipv6-nd-ra:cache-limit?  uint32
| | | | | | +--rw ipv6-nd-ra:prefix* [prefix-ipv6-address]
| | | | | | | +--rw ipv6-nd-ra:prefix-ipv6-address  inet:ipv6-prefix
| | | | | | | +--rw ipv6-nd-ra:lifetime
| | | | | | | | +--rw (ipv6-nd-ra:ch-valid-type)?
| | | | | | | | | +--:(ipv6-nd-ra:ca-no-advertise)
| | | | | | | | | | +--rw ipv6-nd-ra:no-advertise?  empty
| | | | | | | | | +--:(ipv6-nd-ra:ca-valid-lifetime)
| | | | | | | | | | +--rw ipv6-nd-ra:valid-lifetime?  common-def:time-
interval-sec
| | | | | | | | | | +--:(ipv6-nd-ra:ca-valid-infinite)
| | | | | | | | | | | +--rw ipv6-nd-ra:valid-infinite?  empty
| | | | | | +--rw ipv6-nd-ra:preferred
| | | | | | | +--rw (ipv6-nd-ra:ch-preferred-type)?

```



```

| | | | | +--rw vrrpv3:interface-type track-iftype
| | | | | +--rw vrrpv3:interface-name track-ifname
| | | | | +--rw vrrpv3:track-priority? uint8
| | | | | +--rw vrrpv3:advertisement-interval? uint32
| | | | | +--rw vrrpv3:enable? empty
| | | | | +--rw vrrpv3:hold-time? uint32
| | | | | +--rw vrrpv3:preempt-mode? empty
| | | | | +--rw vrrpv3:priority? uint8
| | | | | +--rw vrrpv3:description? string
| | | | +--rw vrrpv3:vrrpv3e* [vrid]
| | | | | +--rw vrrpv3:vrid vrid-type
| | | | | +--rw vrrpv3:virtual-ip* [virtual-ipaddr]
| | | | | | +--rw vrrpv3:virtual-ipaddr inet:ipv6-address
| | | | | +--rw vrrpv3:track
| | | | | | +--rw vrrpv3:interface* [interface-type interface-name]
| | | | | | | +--rw vrrpv3:interface-type track-iftype
| | | | | | | +--rw vrrpv3:interface-name track-ifname
| | | | | | | +--rw vrrpv3:track-priority? uint8
| | | | | | +--rw vrrpv3:enable? empty
| | | | | | +--rw vrrpv3:hold-time? uint32
| | | | | | +--rw vrrpv3:preempt-mode? empty
| | | | | | +--rw vrrpv3:priority? uint8
| | | | | | +--rw vrrpv3:description? string
| | | | | | +--rw vrrpv3:advertise-backup? empty
| | | | | | +--rw vrrpv3:nd-advertisement-timer? uint32
| | | | | | +--rw vrrpv3:advertisement-interval-scale? uint32
| | | | | | +--rw vrrpv3:backup-advertisement-interval? uint32
| | | | | | +--rw vrrpv3:vrrpe-advertisement-interval? uint32
| | | | | | +--rw vrrpv3:short-path-forwarding
| | | | | | | +--rw vrrpv3:basic? empty
| | | | | | | +--rw vrrpv3:revert-priority? uint8
| | +--rw snmp
| | | +--rw trap
| | | | +--rw link-status
| | | | | +--rw snmp-link-disable? empty
| | +--rw track
| | | +--rw track_enable? empty
| | | +--rw min-link? uint32
| | | +--rw interface* [track-interface-type track-interface-name]
| | | | +--rw track-interface-type enumeration
| | | | | +--rw track-interface-name string
| | | | +--rw remove
| | | | | +--rw remove-all-track-interfaces? empty
| | +--rw bfd
| | | +--rw interval
| | | | +--rw min-tx? bfd-tx-interval-type
| | | | | +--rw min-rx? bfd-rx-interval-type
| | | | | +--rw multiplier? bfd-multiplier-type
| | | | +--rw bfd-shutdown? empty
| | +--rw edge-loop-detection-native
| | | +--rw loop-detection-native? empty
| | +--rw edge-loop-detection
| | | +--rw eldprio? uint32
| | | +--rw eldshutdown-disable? empty
| | | +--rw eldvlan? ui32-vlan-range
| | +--rw priority-tag-enable? empty
| | +--rw load-balance? enumeration
| | +--rw load-balance-type? enumeration
| | +--rw endpoint-tracking
| | | +--rw endpoint-tracking-enable? empty
| | | +--rw timeout
| | | | +--rw reauth-period? uint32
| | +--rw bpdu-drop-enable? empty
| | +--rw core-isolation-track? empty

```

```

| | +--rw ethernet-segment!
| | | +--rw lacp
| | | | +--rw system-id? string
| | | | +--rw auto? empty
| | | | +--rw esi? union
| | | | +--rw load-balance-mode? enumeration
| | | | +--rw advertise
| | | | +--rw capability
| | | | +--rw ac-influenced-df-election? empty
| | +--rw mac-access-list:mac
| | | +--rw mac-access-list:access-group* [mac-access-list mac-direction]
| | | | +--rw mac-access-list:mac-access-list mac-acl-name
| | | | +--rw mac-access-list:mac-direction enumeration
| | | | +--rw mac-access-list:traffic-type? enumeration
| | +--rw lif:logical-interface
| | | +--rw lif:port-channel* [pc-instance-id]
| | | | +--rw lif:pc-instance-id lif-port-channel-type
| | | | +--rw lif:shutdown? empty
| | | | +--rw lif:name? string
| | | | +--rw lif:untagged
| | | | | +--rw lif:untagged-vlan
| | | | | | +--rw lif:untagged-vlan-id? uint32
| | | | | +--rw lif:tagged-outer-vlan
| | | | | | +--rw lif:outer-tagged-vlan-id? uint32
| | | | | | +--rw lif:inner-tagged-vlan-id? uint32
| | +--rw qos-mls:storm-control
| | | +--rw qos-mls:ingress* [protocol-type]
| | | | +--rw qos-mls:protocol-type enumeration
| | | | +--rw qos-mls:rate-format? enumeration
| | | | +--rw qos-mls:rate-bps? rate-limit-bps-type
| | | | +--rw qos-mls:rate-percent? rate-limit-percentage-type
| | | | +--rw qos-mls:bum-action? enumeration
| | +--rw qos-mls:qos
| | | +--rw qos-mls:default-cos? cos-id-type
| | | +--rw qos-mls:default-tc? traffic-class-id-type
| | | +--rw qos-mls:trust
| | | | +--rw qos-mls:trust-cos? empty
| | | | +--rw qos-mls:trust-dscp? empty
| | | +--rw qos-mls:remark
| | | | +--rw qos-mls:remark-dscp? empty
| | | +--rw qos-mls:cos-mutation? map-name-type
| | | +--rw qos-mls:cos-mutation-builtin
| | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | +--rw qos-mls:traffic-class-cos? map-name-type
| | | +--rw qos-mls:traffic-class-cos-builtin
| | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | +--rw qos-mls:cos-traffic-class? map-name-type
| | | +--rw qos-mls:cos-traffic-class-builtin
| | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | +--rw qos-mls:traffic-class-dscp? map-name-type
| | | +--rw qos-mls:traffic-class-dscp-builtin
| | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | +--rw qos-mls:dscp-mutation? map-name-type
| | | +--rw qos-mls:dscp-mutation-builtin
| | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | +--rw qos-mls:dscp-traffic-class? map-name-type
| | | +--rw qos-mls:dscp-traffic-class-builtin
| | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | +--rw qos-mls:dscp-cos? map-name-type
| | | +--rw qos-mls:dscp-cos-builtin
| | | | +--rw qos-mls:map-name? builtin-map-name-type
| | | +--rw qos-mls:random-detect
| | | | +--rw qos-mls:traffic-class* [red-tc-value red-dp-value]
| | | | | +--rw qos-mls:red-tc-value traffic-class-id-type

```

```

| | | | +--rw qos-mls:red-dp-value      drop-precedence-id-type
| | | | +--rw qos-mls:red-profile-id?   red-profile-id-type
| | | +--rw qos-mls:drop-monitor
| | | | +--rw qos-mls:drop-monitor-enable?  empty
| | | +--rw qos-mls:port-speed-up?      uint32
| | | +--rw qos-mls:flowcontrol
| | | | +--rw qos-mls:link-level-flowcontrol
| | | | | +--rw qos-mls:flowcontrol-tx?    enumeration
| | | | | +--rw qos-mls:flowcontrol-rx?    enumeration
| | | | +--rw qos-mls:pfc* [pfc-cos]
| | | | | +--rw qos-mls:pfc-cos            cos-id-type
| | | | | +--rw qos-mls:pfc-flowcontrol-tx  enumeration
| | | | | +--rw qos-mls:pfc-flowcontrol-rx  enumeration
| | | | +--rw qos-mls:threshold
| | | | | +--rw qos-mls:threshold-tx-on?    flowcontrol-threshold-type
| | | | | +--rw qos-mls:threshold-tx-off?   flowcontrol-threshold-type
| | | | +--rw qos-mls:pfc-threshold
| | | | | +--rw qos-mls:threshold
| | | | | +--rw qos-mls:pfc* [pfc-threshold-cos]
| | | | | +--rw qos-mls:pfc-threshold-cos    cos-id-type
| | | | | +--rw qos-mls:pfc-threshold-tx-on?  flowcontrol-threshold-type
| | | | | +--rw qos-mls:pfc-threshold-tx-off? flowcontrol-threshold-type
| | +--rw sflow:sflow
| | | +--rw sflow:enable?                empty
| | | +--rw sflow:polling-interval?      uint32
| | | +--rw sflow:sample-rate?          uint32
| | +--rw qos-mqc:service-policy
| | | +--rw qos-mqc:in?                  map-name-type
| | | +--rw qos-mqc:out?                 map-name-type
| | +--rw ip-access-list:ip-acl-interface
| | | +--rw ip-access-list:ip
| | | | +--rw ip-access-list:access-group* [ip-access-list ip-direction]
| | | | +--rw ip-access-list:ip-access-list  l3-acl-policy-name
| | | | +--rw ip-access-list:ip-direction    enumeration
| | | | +--rw ip-access-list:traffic-type?   enumeration
| | +--rw ip-access-list:ip-subnet-broadcast-acl-interface
| | | +--rw ip-access-list:ip
| | | | +--rw ip-access-list:subnet-broadcast-acl* [ip-access-list]
| | | | +--rw ip-access-list:ip-access-list  l3-acl-policy-name
| | +--rw ip-policy:ip-pbr-interface
| | | +--rw ip-policy:ip
| | | | +--rw ip-policy:policy
| | | | +--rw ip-policy:route-map
| | | | | +--rw ip-policy:route-map-name?    common-def:name-string63
| | +--rw isis:intf-isis!
| | | +--rw isis:interface-isis
| | | | +--rw isis:auth-check
| | | | | +--rw isis:auth-check-level1
| | | | | | +--rw isis:interface-auth-check-level1-disable?  empty
| | | | | +--rw isis:auth-check-level2
| | | | | | +--rw isis:interface-auth-check-level2-disable?  empty
| | | | +--rw isis:interface-reverse-metric!
| | | | | +--rw isis:rev-metric-common-attributes
| | | | | +--rw isis:rev-metric-val?          uint32
| | | | | +--rw isis:rev-metric-whole-lan?    empty
| | | | | +--rw isis:rev-metric-te-def-metric? empty
| | | | +--rw isis:interface-auth-mode
| | | | | +--rw isis:interface-md5
| | | | | | +--rw isis:interface-auth-mode-md5-level1?  empty
| | | | | | +--rw isis:interface-auth-mode-md5-level2?  empty
| | | | +--rw isis:interface-auth-key* [interface-auth-key-level]
| | | | | +--rw isis:interface-auth-key-level  enumeration
| | | | | +--rw isis:interface-auth-key-str?   string
| | | +--rw isis:interface-hello

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| | | | +--rw isis:interface-hello-padding
| | | | | +--rw isis:interface-hello-padding-disable? empty
| | | | +--rw isis:interface-hello-interval* [interface-hello-interval-level]
| | | | | +--rw isis:interface-hello-interval-level enumeration
| | | | | +--rw isis:interface-hello-interval-val? uint32
| | | | +--rw isis:interface-hello-multiplier* [interface-hello-multiplier-level]
| | | | | +--rw isis:interface-hello-multiplier-level enumeration
| | | | | +--rw isis:interface-hello-multiplier-val? uint32
| | | | +--rw isis:circuit-type? enumeration
| | | | +--rw isis:interface-ipv6
| | | | | +--rw isis:interface-ipv6-metric* [interface-ipv6-metric-level]
| | | | | | +--rw isis:interface-ipv6-metric-level enumeration
| | | | | | +--rw isis:interface-ipv6-metric-val? uint32
| | | | +--rw isis:interface-metric* [interface-metric-level]
| | | | | +--rw isis:interface-metric-level enumeration
| | | | | +--rw isis:interface-metric-val? uint32
| | | | +--rw isis:interface-point-to-point? empty
| | | | +--rw isis:interface-passive? empty
| | | | +--rw isis:interface-priority
| | | | | +--rw isis:interface-priority-level1? uint32
| | | | | +--rw isis:interface-priority-level2? uint32
| | | | +--rw isis:interface-bfd
| | | | | +--rw isis:interface-bfd-enable? empty
| | | | +--rw isis:interface-ldp-sync? enumeration
| | | | +--rw isis:segment-routing
| | | | | +--rw isis:interface-segment-routing-disable? empty
| | | | +--rw isis:segment-routing-prefix-sid
| | | | | +--rw isis:sr-prefix-sid-value? uint32
| | +--rw lACP-pdu-forward:lACP-pdu-forward
| | | +--rw lACP-pdu-forward:enable? empty
| | +--rw vrrp:vrrp* [vrid version]
| | | +--rw vrrp:vrid vrid-type
| | | +--rw vrrp:version uint8
| | | +--rw vrrp:virtual-ip* [virtual-ipaddr]
| | | | +--rw vrrp:virtual-ipaddr inet:ipv4-address
| | | +--rw vrrp:track
| | | | +--rw vrrp:interface* [interface-type interface-name]
| | | | | +--rw vrrp:interface-type track-iftyp
| | | | | +--rw vrrp:interface-name track-ifname
| | | | | +--rw vrrp:track-priority? uint8
| | | | +--rw vrrp:advertisement-interval? uint32
| | | | +--rw vrrp:enable? empty
| | | | +--rw vrrp:hold-time? uint32
| | | | +--rw vrrp:preempt-mode? empty
| | | | +--rw vrrp:arp
| | | | | +--rw vrrp:unicast-request
| | | | | | +--rw vrrp:receive? empty
| | | | | +--rw vrrp:priority? uint8
| | | | | +--rw vrrp:description? string
| | +--rw vrrp:vrrp-e* [vrid]
| | | +--rw vrrp:vrid vrid-type
| | | +--rw vrrp:virtual-ip* [virtual-ipaddr]
| | | | +--rw vrrp:virtual-ipaddr inet:ipv4-address
| | | +--rw vrrp:track
| | | | +--rw vrrp:interface* [interface-type interface-name]
| | | | | +--rw vrrp:interface-type track-iftyp
| | | | | +--rw vrrp:interface-name track-ifname
| | | | | +--rw vrrp:track-priority? uint8
| | | | +--rw vrrp:advertisement-interval? uint32
| | | | +--rw vrrp:enable? empty
| | | | +--rw vrrp:hold-time? uint32
| | | | +--rw vrrp:preempt-mode? empty
| | | | +--rw vrrp:arp
| | | | | +--rw vrrp:unicast-request

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| | | | +--rw vrrp:receive? empty
| | | +--rw vrrp:priority? uint8
| | | +--rw vrrp:description? string
| | +--rw mct:cluster-client
| | | +--rw mct:client-id? mct-po-client-id-type
| | +--rw mct:cluster-track
| | | +--rw mct:cluster-track-flag? empty
| | +--rw mvrp:mvrp-intf
| | | +--rw mvrp:intf-enable? empty
| | | +--rw mvrp:applicant-mode? applicant-state-type
| | | +--rw mvrp:registration-mode
| | | | +--rw mvrp:forbidden
| | | | +--rw mvrp:vlan
| | | | | +--rw mvrp:add? member-vlan-id
| | | | | +--rw mvrp:remove? member-vlan-id
| | | +--rw mvrp:timer
| | | | +--rw mvrp:join? uint32
| | | | +--rw mvrp:leave? uint32
| | | | +--rw mvrp:leave-all? uint32
| | +--rw openflow:openflowPo
| | | +--rw openflow:enablePoMode
| | | | +--rw openflow:modeTypePo? enumeration
| | +--rw uda-access-list:uda
| | | +--rw uda-access-list:access-group* [uda-access-list uda-direction]
| | | | +--rw uda-access-list:uda-access-list uda-acl-name
| | | | +--rw uda-access-list:uda-direction enumeration
| | | +--rw uda-access-list:policy
| | | | +--rw uda-access-list:route-map? route-map-type
| | +--rw uda-access-list:offsets-container
| | | +--rw uda-access-list:offsets? uda-profile-name
| | +--rw xstp:spanning-tree
| | | +--rw xstp:autoedge? empty
| | | +--rw xstp:cost? uint32
| | | +--rw xstp:portfast
| | | | +--rw xstp:portfastbasic? empty
| | | | +--rw xstp:bpdu-guard? empty
| | | +--rw xstp:edgeport
| | | | +--rw xstp:edgeportbasic? empty
| | | | +--rw xstp:bpdu-guard? empty
| | | +--rw xstp:guard
| | | | +--rw xstp:root? empty
| | | +--rw xstp:bpdu-mac? enumeration
| | | +--rw xstp:link-type? enumeration
| | | +--rw xstp:priority? uint32
| | | +--rw xstp:restricted-role? empty
| | | +--rw xstp:restricted-tcn? empty
| | | +--rw xstp:shutdown? empty
| | | +--rw xstp:vlan* [id]
| | | | +--rw xstp:id uint32
| | | | +--rw xstp:cost? uint32
| | | | +--rw xstp:priority? uint32
| | | | +--rw xstp:guard
| | | | | +--rw xstp:root? empty
| | | +--rw xstp:instance* [id]
| | | | +--rw xstp:id mstp-instance-type
| | | | +--rw xstp:cost? uint32
| | | | +--rw xstp:priority? uint32
| | | | +--rw xstp:restricted-role? empty
| | | | +--rw xstp:restricted-tcn? empty
| | +--rw management* [name]
| | | +--rw name standalone-man-interface-type
| | | +--rw tcp
| | | | +--rw tcp_burstrate? uint32
| | | | +--rw tcp_lockdown? uint32

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| | +--rw ip
| | | +--rw icmp
| | | | +--rw unreachable? empty
| | | | +--rw echo_reply? empty
| | | | +--rw rate_limiting? uint32
| | | +--rw address
| | | | +--rw dhcp? empty
| | | | +--rw ip-address? common-def:ipv4-address-prefix-type
| | | +--rw gateway
| | | | +--rw gateway-address? inet:ipv4-address
| | | +--rw oper-address
| | | | +--ro oper-ip-address? common-def:ipv4-address-prefix-type
| | | +--rw oper-gateway-con
| | | | +--ro oper-gateway? inet:ipv4-address
| | | +--rw ip-access-list:access-group
| | | | +--rw ip-access-list:mgmt-ip-access-list? l3-acl-policy-name
| | | | +--rw ip-access-list:mgmt-ip-direction? enumeration
| | +--rw ipv6
| | | +--rw icmpv6
| | | | +--rw v6_unreachable? empty
| | | | +--rw v6_echo_reply? empty
| | | | +--rw v6_rate_limiting? uint32
| | | +--rw ipv6-address-cont
| | | | +--rw ipv6-global-cont
| | | | | +--rw ipv6-global-address? common-def:ipv6-address-prefix
| | | | | +--rw ipv6-global-address-eui64? empty
| | | | +--rw autoconfig? empty
| | | | +--rw dhcpv6? empty
| | | | +--ro ipv6-address* string
| | | | +--ro ipv6-gateways* string
| | | +--rw ipv6-access-list:access-group
| | | | +--rw ipv6-access-list:mgmt-ipv6-access-list? ipv6-l3-acl-policy-name
| | | | +--rw ipv6-access-list:mgmt-ip-direction? enumeration
| | +--rw vrf
| | | +--rw vrf-forwarding? common-def:vrf-name
| | +--rw speed? enumeration
| | +--rw line-speed
| | | +--ro actual? string
| | | +--ro configured? string
| | +--rw shutdown_management? empty
| | +--ro shutdown_management_oper? string
| | +--rw redundant
| | | +--rw management
| | | | +--ro redundant-management-port? string
| | | +--ro rmeinfo? string
+--rw gre-vxlan:tunnel* [identifier]
| +--rw gre-vxlan:identifier uint32
| +--rw gre-vxlan:mode
| | +--rw gre-vxlan:gre
| | | +--rw gre-vxlan:ip? empty
+--rw gre-vxlan:gre-source
| +--rw (gre-vxlan:source-cmd)?
| | +--:(gre-vxlan:ca-source-address)
| | | +--rw gre-vxlan:source-address? inet:ipv4-address
| | +--:(gre-vxlan:ca-interface-loopback)
| | | +--rw gre-vxlan:interface-loopback? lo:intf-loopback-port-type
| | +--:(gre-vxlan:ca-interface-ethernet)
| | | +--rw gre-vxlan:interface-ethernet? interface:interface-type
| | +--:(gre-vxlan:ca-interface-ve)
| | | +--rw gre-vxlan:interface-ve? uint32
+--rw gre-vxlan:tunnel-destination? inet:ipv4-address
+--rw gre-vxlan:tunnel-shutdown? empty
+--rw gre-vxlan:tunnel-router-interface
| +--rw gre-vxlan:router-ve? uint32

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|     +--rw gre-vxlan:gre-ttl?                uint32
|     +--rw gre-vxlan:gre-dscp?              uint32
|     +--rw gre-vxlan:tunnel-name?          string
|     +--rw gre-vxlan:dscp-ttl-mode?        enumeration
|     +--rw gre-vxlan:statistics?          empty
|     +--rw gre-vxlan:keepalive
|         +--rw gre-vxlan:time-interval?    uint32
|         +--rw gre-vxlan:retry-count?      uint32
+--rw interface-vlan
|   +--rw interface
|   +--rw vlan* [name]
|       +--rw name                          vlan-type
|       +--rw mac-learning
|       |   +--rw mac-learning-disable?    empty
|       +--rw statistics?                  empty
|       +--rw statistics-sync?             empty
|       +--rw loop-detection?              empty
|       +--rw loop-detection-shutdown-disable? empty
|       +--rw router-interface
|       |   +--rw ve-config?               ve-type
|       +--ro ifindex?                     uint64
|       +--rw description?                 string
|       +--rw vlan-name?                   string
|       +--rw ip
|       |   +--rw dai:arp
|       |   |   +--rw dai:inspection
|       |   |   +--rw dai:trust?           empty
|       |   |   +--rw dai:filter
|       |   |   |   +--rw dai:acl-name?    dai-acl-policy-name
|       |   +--rw dhcp:dhcp
|       |   |   +--rw dhcp:snooping
|       |   |   |   +--rw dhcp:vlan-dhcp-snooping-enable? empty
|       |   +--rw igmp-snooping:igmpPIM
|       |   |   +--rw igmp-snooping:snooping
|       |   |   |   +--rw igmp-snooping:vlan-pimv4-enable? empty
|       |   +--rw igmp-snooping:igmpVlan
|       |   |   +--rw igmp-snooping:snooping
|       |   |   |   +--rw igmp-snooping:igmps-version?    igmps-version-
type
|       |   |   |   +--rw igmp-snooping:igmps-last-member-query-interval?  lmqt-type
|       |   |   |   +--rw igmp-snooping:igmps-query-max-response-time?    qmrt-type
|       |   |   |   +--rw igmp-snooping:igmps-query-interval?             qi-type
|       |   |   |   +--rw igmp-snooping:igmps-enable?                     empty
|       |   |   |   +--rw igmp-snooping:igmps-fast-leave?                 empty
|       |   |   |   +--rw igmp-snooping:restrict-unknown-multicast?      empty
|       |   |   |   +--rw igmp-snooping:igmps-querier
|       |   |   |   |   +--rw igmp-snooping:igmps-qenable? empty
|       |   |   +--rw igmp-snooping:igmps_mrouter
|       |   |   |   +--rw igmp-snooping:igmps-interface* [igmps-if-type igmps-value]
|       |   |   |   |   +--rw igmp-snooping:igmps-if-type    enumeration
|       |   |   |   |   +--rw igmp-snooping:igmps-value     string-type
|       |   |   +--rw igmp-snooping:igmps_static-group* [igmps-mcast-address igmps-
interface igmps-if-type igmps-value]
|       |   |   |   +--rw igmp-snooping:igmps-mcast-address    inet:ipv4-address
|       |   |   |   |   +--rw igmp-snooping:igmps-interface    enumeration
|       |   |   |   |   +--rw igmp-snooping:igmps-if-type      enumeration
|       |   |   |   |   +--rw igmp-snooping:igmps-value        string-type
|       +--rw ipv6
|       |   +--rw mld-snooping:mldPIM
|       |   |   +--rw mld-snooping:snooping
|       |   |   |   +--rw mld-snooping:vlan-pimv6-enable?    empty
|       |   +--rw mld-snooping:mldVlan
|       |   |   +--rw mld-snooping:snooping
|       |   |   |   +--rw mld-snooping:last-member-query-interval?  lmqt-type

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| | +--rw mld-snooping:query-max-response-time? qmrt-type
| | +--rw mld-snooping:query-interval? qi-type
| | +--rw mld-snooping:mldVersion? version-type
| | +--rw mld-snooping:enable? empty
| | +--rw mld-snooping:fast-leave? empty
| | +--rw mld-snooping:querier
| | | +--rw mld-snooping:qenable? empty
| | +--rw mld-snooping:mrouter
| | | +--rw mld-snooping:interface* [if-type value]
| | | | +--rw mld-snooping:if-type enumeration
| | | | +--rw mld-snooping:value string-type
| | | +--rw mld-snooping:static-group* [mcast-address interface if-type value]
| | | | +--rw mld-snooping:mcast-address inet:ipv6-address
| | | | +--rw mld-snooping:interface enumeration
| | | | +--rw mld-snooping:if-type enumeration
| | | | +--rw mld-snooping:value string-type
| +--rw mac-access-list:mac
| | +--rw mac-access-list:access-group* [mac-access-list mac-direction]
| | | +--rw mac-access-list:mac-access-list mac-acl-name
| | | +--rw mac-access-list:mac-direction enumeration
| | | +--rw mac-access-list:traffic-type? enumeration
| +--rw arp:suppress-arp
| | +--rw arp:suppress-arp-enable? empty
| +--rw span:remote-span? empty
| +--rw ipv6-nd-ra:suppress-nd
| | +--rw ipv6-nd-ra:suppress-nd-enable? empty
| +--rw xstp:spanning-tree
| | +--rw xstp:stp-shutdown? empty
+--rw protocol
| +--rw dot3ah:link-oam!
| | +--rw dot3ah:shutdown? empty
| | +--rw dot3ah:pdu-rate? uint32
| | +--rw dot3ah:time-out? uint32
| +--rw eld:edge-loop-detection!
| | +--rw eld:pdu-rx-limit? uint32
| | +--rw eld:hello-interval? uint32
| | +--rw eld:shutdown-time? uint32
| | +--rw eld:raslog-duration? uint32
| +--rw lldp:lldp!
| | +--rw lldp:description? string
| | | +--rw lldp:hello? uint32
| | | +--rw lldp:mode? enumeration
| | | +--rw lldp:multiplier? uint32
| | | +--rw lldp:advertise
| | | | +--rw lldp:dot1-tlv? empty
| | | | +--rw lldp:dot3-tlv? empty
| | | | +--rw lldp:bgp-auto-nbr-tlv? empty
| | | | +--rw lldp:optional-tlv
| | | | | +--rw lldp:management-address? empty
| | | | | +--rw lldp:port-description? empty
| | | | | +--rw lldp:system-capabilities? empty
| | | | | +--rw lldp:adv-tlv-system-description? empty
| | | | | +--rw lldp:adv-tlv-system-name? empty
| | | +--rw lldp:system-name? string
| | | +--rw lldp:system-description? string
| | | +--rw lldp:disable? empty
| | | +--rw lldp:profile* [profile-name]
| | | | +--rw lldp:profile-name string
| | | | +--rw lldp:description? string
| | | | +--rw lldp:hello? uint32
| | | | +--rw lldp:mode? enumeration
| | | | +--rw lldp:multiplier? uint32
| | | | +--rw lldp:advertise
| | | | | +--rw lldp:dot1-tlv? empty

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| |         +--rw lldp:dot3-tlv?          empty
| |         +--rw lldp:bgp-auto-nbr-tlv?  empty
| |         +--rw lldp:optional-tlv
| |             +--rw lldp:management-address?    empty
| |             +--rw lldp:port-description?      empty
| |             +--rw lldp:system-capabilities?   empty
| |             +--rw lldp:adv-tlv-system-description?  empty
| |             +--rw lldp:adv-tlv-system-name?    empty
| +--rw mvrp:mvrp-global!
| | +--rw mvrp:timer
| | | +--rw mvrp:join?          uint32
| | | +--rw mvrp:leave?        uint32
| | | +--rw mvrp:leave-all?    uint32
| +--rw udld:udld!
| | +--rw udld:hello?          uint32
| | +--rw udld:multiplier?     uint32
| | +--rw udld:shutdown?      empty
| +--rw xstp:spanning-tree
| | +--rw xstp:stp!
| | | +--rw xstp:timer-config
| | | | +--rw xstp:hello-time?    uint32
| | | | +--rw xstp:forward-delay?  uint32
| | | | +--rw xstp:max-age?        uint32
| | | | +--rw xstp:description?    string
| | | | +--rw xstp:bridge-priority?  uint32
| | | | +--rw xstp:error-disable-timeout
| | | | | +--rw xstp:enable?      empty
| | | | | +--rw xstp:interval?    uint32
| | | | +--rw xstp:port-channel
| | | | | +--rw xstp:path-cost?    enumeration
| | | | +--rw xstp:shutdown?      empty
| | +--rw xstp:rstp!
| | | +--rw xstp:timer-config
| | | | +--rw xstp:hello-time?    uint32
| | | | +--rw xstp:forward-delay?  uint32
| | | | +--rw xstp:max-age?        uint32
| | | | +--rw xstp:description?    string
| | | | +--rw xstp:bridge-priority?  uint32
| | | | +--rw xstp:error-disable-timeout
| | | | | +--rw xstp:enable?      empty
| | | | | +--rw xstp:interval?    uint32
| | | | +--rw xstp:port-channel
| | | | | +--rw xstp:path-cost?    enumeration
| | | | +--rw xstp:shutdown?      empty
| | | +--rw xstp:transmit-holdcount?  uint32
| +--rw xstp:pvst!
| | +--rw xstp:timer-config
| | | +--rw xstp:hello-time?    uint32
| | | +--rw xstp:forward-delay?  uint32
| | | +--rw xstp:max-age?        uint32
| | | +--rw xstp:description?    string
| | | +--rw xstp:bridge-priority?  uint32
| | | +--rw xstp:error-disable-timeout
| | | | +--rw xstp:enable?      empty
| | | | +--rw xstp:interval?    uint32
| | | +--rw xstp:port-channel
| | | | +--rw xstp:path-cost?    enumeration
| | | +--rw xstp:shutdown?      empty
| | +--rw xstp:vlan* [id]
| | | +--rw xstp:id          uint32
| | | +--rw xstp:priority?    uint32
| | | +--rw xstp:timer-config
| | | | +--rw xstp:hello-time?    uint32
| | | | +--rw xstp:forward-delay?  uint32

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|         +--rw xstp:max-age?          uint32
| +--rw xstp:rpvst!
| | +--rw xstp:timer-config
| | | +--rw xstp:hello-time?          uint32
| | | +--rw xstp:forward-delay?      uint32
| | | +--rw xstp:max-age?            uint32
| | +--rw xstp:description?          string
| | +--rw xstp:bridge-priority?      uint32
| | +--rw xstp:error-disable-timeout
| | | +--rw xstp:enable?              empty
| | | +--rw xstp:interval?           uint32
| | +--rw xstp:port-channel
| | | +--rw xstp:path-cost?           enumeration
| | +--rw xstp:shutdown?              empty
| | +--rw xstp:vlan* [id]
| | | +--rw xstp:id                   uint32
| | | +--rw xstp:priority?            uint32
| | | +--rw xstp:timer-config
| | | | +--rw xstp:hello-time?        uint32
| | | | +--rw xstp:forward-delay?     uint32
| | | | +--rw xstp:max-age?           uint32
| | +--rw xstp:transmit-holdcount?    uint32
| +--rw xstp:mstp!
| | +--rw xstp:timer-config
| | | +--rw xstp:hello-time?          uint32
| | | +--rw xstp:forward-delay?      uint32
| | | +--rw xstp:max-age?            uint32
| | +--rw xstp:description?          string
| | +--rw xstp:bridge-priority?      uint32
| | +--rw xstp:error-disable-timeout
| | | +--rw xstp:enable?              empty
| | | +--rw xstp:interval?           uint32
| | +--rw xstp:port-channel
| | | +--rw xstp:path-cost?           enumeration
| | +--rw xstp:shutdown?              empty
| | +--rw xstp:cisco-interoperability? enumeration
| | +--rw xstp:instance* [id]
| | | +--rw xstp:id                   mstp-instance-type
| | | +--rw xstp:vlan?                xstp-ui32-vlan-range
| | | +--rw xstp:priority?            uint32
| | +--rw xstp:region?                string
| | +--rw xstp:revision?              uint16
| | +--rw xstp:max-hops?              uint32
| | +--rw xstp:transmit-holdcount?    uint32
+--rw global-mtu-conf
+--rw global-l2-mtu?                  mtu-type
+--rw global-l2-bpdu?                 empty
+--rw global-reload-delay?            reload-delay-type
+--rw ingress-vlan-mapped-ve-counter? empty
+--rw tunneled-arp-trap
| +--rw tunneled-arp-trap-enable?    empty
+--rw ip-config:ip
| +--rw ip-config:global-ip-mtu?     ip-mtu
| +--rw ip-config:option
| | +--rw ip-config:option-disable?   empty
| | +--rw control-plane:ip-option-disable-cpu? empty
| +--rw ip-config:icmp-fragment
| | +--rw ip-config:icmp-fragment-enable? empty
| +--rw ip-config:arp
| | +--rw ip-config:gratuitous
| | +--rw ip-config:garp-none?        empty
+--rw ipv6-config:ipv6
+--rw ipv6-config:global-ipv6-mtu?   ip-mtu

```

brocade-interface-ext

RPCs

```

module: brocade-interface-ext
rpcs:
  +---x set-interface-admin-status
  | +---w input
  | | +---w interface* [interface-name]
  | | | +---w interface-name string
  | | +---w admin-state? intf-admin-status
  | +--ro output
  | +--ro interface-status* [interface-name]
  | | +--ro interface-name string
  | | +--ro admin-state-status? intf-admin-state-update-status
  | | +--ro oper-state-status? intf-oper-state-update-status
  | +--ro overall-status? overall-operation-status
  +---x get-vlan-brief
  | +---w input
  | | +---w (request-type)?
  | | | +---w (get-request)
  | | | | +---w vlan-id? interface:vlan-type
  | | | +---w (get-next-request)
  | | | +---w last-rcvd-vlan-id? interface:vlan-type
  | +--ro output
  | +--ro configured-vlans-count? uint32
  | +--ro provisioned-vlans-count? uint32
  | +--ro unprovisioned-vlans-count? uint32
  | +--ro vlan* [vlan-id]
  | | +--ro vlan-id interface:vlan-type
  | | +--ro vlan-type? enumeration
  | | +--ro vlan-name? string
  | | +--ro ve-interface? interface:ve-type
  | | +--ro vlan-state? enumeration
  | | +--ro interface* [interface-type interface-name]
  | | | +--ro interface-type enumeration
  | | | +--ro interface-name union
  | | | +--ro tag? enumeration
  | | | +--ro classification* [classification-type classification-value]
  | | | | +--ro classification-type enumeration
  | | | | +--ro classification-value string
  | | +--ro last-vlan-id? interface:vlan-type
  | +--ro has-more? boolean
  +---x get-interface-switchport
  | +---w input
  | | +---w (request-type)?
  | | | +---w (get-next-request)
  | | | +---w last-received-interface
  | | | +---w interface-type? enumeration
  | | | +---w interface-name? union
  | +--ro output
  | +--ro switchport* [interface-type interface-name]
  | | +--ro interface-type enumeration
  | | +--ro interface-name union
  | | +--ro mode? interface:switchport-mode-type
  | | +--ro ingress-filter-enabled? boolean
  | | +--ro acceptable-frame-type? enumeration
  | | +--ro default-vlan? interface:vlan-type
  | | +--ro active-vlans
  | | | +--ro vlanid* interface:vlan-type
  | | +--ro inactive-vlans
  | | | +--ro vlanid* interface:vlan-type

```

```

|     +--ro has-more?      boolean
+---x get-ip-interface
|   +---w input
|   |   +---w (request-type)?
|   |   |   +---: (get-request)
|   |   |   |   +---w interface-type?      enumeration
|   |   |   |   +---w interface-name?     union
|   |   |   +---: (get-next-request)
|   |   |   +---w last-received-interface
|   |   |   |   +---w interface-type?     enumeration
|   |   |   |   +---w interface-name?     union
|   +---ro output
|   |   +---ro interface* [interface-type interface-name]
|   |   |   +---ro interface-type         enumeration
|   |   |   +---ro interface-name         union
|   |   |   +---ro if-name?               string
|   |   |   +---ro ip-address* [ipv4]
|   |   |   |   +---ro ipv4                string
|   |   |   |   +---ro ipv4-type?         enumeration
|   |   |   |   +---ro broadcast?         string
|   |   |   |   +---ro ip-mtu?            ip-config:ip-mtu
|   |   |   +---ro if-state?              enumeration
|   |   |   +---ro line-protocol-state?   enumeration
|   |   |   +---ro proxy-arp?              string
|   |   |   +---ro vrf?                    string
|   |   |   +---ro redundant-management?  boolean
|   |   +---ro has-more?      boolean
+---x get-interface-detail
|   +---w input
|   |   +---w (request-type)?
|   |   |   +---: (get-request)
|   |   |   |   +---w interface-type?      enumeration
|   |   |   |   +---w interface-name?     union
|   |   |   +---: (get-next-request)
|   |   |   +---w last-rcvd-interface
|   |   |   |   +---w interface-type?     enumeration
|   |   |   |   +---w interface-name?     union
|   +---ro output
|   |   +---ro interface* [interface-type interface-name]
|   |   |   +---ro interface-type         enumeration
|   |   |   +---ro interface-name         union
|   |   |   +---ro ifindex?               uint64
|   |   |   +---ro mtu?                    interface:mtu-type
|   |   |   +---ro ip-mtu?                 ip-config:ip-mtu
|   |   |   +---ro if-name?                string
|   |   |   +---ro if-state?               enumeration
|   |   |   +---ro line-protocol-state?   enumeration
|   |   |   +---ro line-protocol-state-info? string
|   |   |   +---ro line-protocol-exception-info? string
|   |   |   +---ro hardware-type?         enumeration
|   |   |   +---ro logical-hardware-address? yang:mac-address
|   |   |   +---ro current-hardware-address? yang:mac-address
|   |   |   +---ro media-type?            enumeration
|   |   |   +---ro wavelength?            uint32
|   |   |   +---ro if-description?        string
|   |   |   +---ro actual-line-speed?     string
|   |   |   +---ro configured-line-speed? line-speed
|   |   |   +---ro line-duplex-state?     enumeration
|   |   |   +---ro queuing-strategy?     enumeration
|   |   |   +---ro port-role?             enumeration
|   |   |   +---ro port-mode?             enumeration
|   |   |   +---ro ifHCInOctets?          yang:counter64
|   |   |   +---ro ifHCInUcastPkts?      yang:counter64
|   |   |   +---ro ifHCInMulticastPkts?  yang:counter64

```

```

| | +--ro ifHCInBroadcastPkts?      yang:counter64
| | +--ro ifHCInErrors?            yang:counter64
| | +--ro ifHCOutOctets?          yang:counter64
| | +--ro ifHCOutUcastPkts?       yang:counter64
| | +--ro ifHCOutMulticastPkts?   yang:counter64
| | +--ro ifHCOutBroadcastPkts?   yang:counter64
| | +--ro ifHCOutErrors?          yang:counter64
| | +--ro redundant-management?   boolean
| | +--ro bfd-software-session?   boolean
| | +--ro fec-mode?               interface:fec-mode-type
| | +--ro ifFecCorrectedBlocks?    yang:counter64
| | +--ro ifFecUncorrectedBlocks?  yang:counter64
| +--ro has-more?                 boolean
+---x get-media-detail
  +---w input
  | +---w interface-type?          enumeration
  | +---w interface-name?         union
  +--ro output
  +--ro interface* [interface-type interface-name]
  +--ro interface-type            enumeration
  +--ro interface-name            union
  +--ro (interface-identifier)?
  +--:(sfp)
  | +--ro sfp
  | +--ro speed?                  line-speed
  | +--ro connector?             enumeration
  | +--ro encoding?              enumeration
  | +--ro vendor-name?           string
  | +--ro vendor-oui?            string
  | +--ro vendor-pn?             string
  | +--ro vendor-rev?            string
  | +--ro distance?              enumeration
  | +--ro media-form-factor?     enumeration
  | +--ro wavelength?            string
  | +--ro serial-no?             string
  | +--ro date-code?             string
  | +--ro temperature?           uint32
  | +--ro voltage?               decimal64
  | +--ro current?               decimal64
  | +--ro tx-power?              decimal64
  | +--ro rx-power?              decimal64
  +--:(on-board)
  | +--ro on-board
  | +--ro speed?                  line-speed
  | +--ro connector?             enumeration
  | +--ro encoding?              enumeration
  | +--ro vendor-name?           string
  | +--ro vendor-oui?            string
  | +--ro vendor-pn?             string
  | +--ro vendor-rev?            string
  +--:(gbic)
  | +--ro gbc
  | +--ro vendor-name?           string
  | +--ro vendor-oui?            string
  | +--ro vendor-pn?             string
  | +--ro vendor-rev?            string
  +--:(xfp)
  | +--ro xfp
  | +--ro vendor-name?           string
  | +--ro vendor-oui?            string
  | +--ro vendor-pn?             string
  | +--ro vendor-rev?            string
  +--:(xff)
  | +--ro xff

```

```

|     +---ro vendor-name?  string
|     +---ro vendor-oui?  string
|     +---ro vendor-pn?   string
|     +---ro vendor-rev?  string
+---:(xfpe)
|   +---ro xfpe
|     +---ro vendor-name?  string
|     +---ro vendor-oui?  string
|     +---ro vendor-pn?   string
|     +---ro vendor-rev?  string
+---:(unknown)
|   +---ro unknown
|     +---ro vendor-name?  string
|     +---ro vendor-oui?  string
|     +---ro vendor-pn?   string
|     +---ro vendor-rev?  string
+---:(qsfp)
|   +---ro qsfp
|     +---ro speed?        line-speed
|     +---ro connector?    enumeration
|     +---ro encoding?     enumeration
|     +---ro vendor-name?  string
|     +---ro vendor-oui?  string
|     +---ro vendor-pn?   string
|     +---ro vendor-rev?  string
|     +---ro distance?    enumeration
|     +---ro media-form-factor? enumeration
|     +---ro wavelength?  string
|     +---ro serial-no?   string
|     +---ro date-code?   string
|     +---ro temperature? uint32
|     +---ro voltage?     decimal64
|     +---ro current?     decimal64
|     +---ro tx-power?    decimal64
|     +---ro rx-power?    decimal64
+---:(qsfp)
|   +---ro qsfp
|     +---ro speed?        line-speed
|     +---ro connector?    enumeration
|     +---ro encoding?     enumeration
|     +---ro vendor-name?  string
|     +---ro vendor-oui?  string
|     +---ro vendor-pn?   string
|     +---ro vendor-rev?  string
|     +---ro distance?    enumeration
|     +---ro media-form-factor? enumeration
|     +---ro wavelength?  string
|     +---ro serial-no?   string
|     +---ro date-code?   string
|     +---ro temperature? uint32
|     +---ro voltage?     decimal64
|     +---ro current?     decimal64
|     +---ro tx-power?    decimal64
|     +---ro rx-power?    decimal64
+---:(cfp)
|   +---ro cfp
|     +---ro speed?        line-speed
|     +---ro connector?    enumeration
|     +---ro encoding?     enumeration
|     +---ro vendor-name?  string
|     +---ro vendor-oui?  string
|     +---ro vendor-pn?   string
|     +---ro vendor-rev?  string
|     +---ro distance?    enumeration

```

```

|      +---ro media-form-factor?  enumeration
|      +---ro wavelength?        string
|      +---ro serial-no?         string
|      +---ro date-code?        string
|      +---ro temperature?      uint32
|      +---ro voltage?          decimal64
|      +---ro current?          decimal64
|      +---ro tx-power?         decimal64
|      +---ro rx-power?         decimal64
+---: (qsfp28)
|  +---ro qsfp28
|    +---ro speed?              line-speed
|    +---ro connector?         enumeration
|    +---ro encoding?          enumeration
|    +---ro vendor-name?       string
|    +---ro vendor-oui?        string
|    +---ro vendor-pn?         string
|    +---ro vendor-rev?        string
|    +---ro distance?          enumeration
|    +---ro media-form-factor?  enumeration
|    +---ro wavelength?        string
|    +---ro serial-no?         string
|    +---ro date-code?        string
|    +---ro temperature?      uint32
|    +---ro voltage?          decimal64
|    +---ro current?          decimal64
|    +---ro tx-power?         decimal64
|    +---ro rx-power?         decimal64
+---: (cfp2)
  +---ro cfp2
    +---ro speed?              line-speed
    +---ro connector?         enumeration
    +---ro encoding?          enumeration
    +---ro vendor-name?       string
    +---ro vendor-oui?        string
    +---ro vendor-pn?         string
    +---ro vendor-rev?        string
    +---ro distance?          enumeration
    +---ro media-form-factor?  enumeration
    +---ro wavelength?        string
    +---ro serial-no?         string
    +---ro date-code?        string
    +---ro temperature?      uint32
    +---ro voltage?          decimal64
    +---ro current?          decimal64
    +---ro tx-power?         decimal64
    +---ro rx-power?         decimal64

```

brocade-intf-loopback

Top-level container

```
module: brocade-intf-loopback
  +--rw hide-intf-loopback-holder /*drop-node-name*/
  +--rw interface
    +--rw loopback [id] /*alt-name:Loopback*/
      +--rw id                intf-loopback-port-type
      +--rw vrf
        | +--rw forwarding?  common-def:vrf-name
      +--rw intf-loopback /*drop-node-name*/
        | +--rw shutdown?   empty
```

brocade-ip-access-list

Top-level container

```

module: brocade-ip-access-list
  +--rw ip-acl
  |   +--rw ip
  |   |   +--rw access-list
  |   |   |   +--rw standard* [name]
  |   |   |   |   +--rw name                13-acl-policy-name
  |   |   |   |   +--rw remark?            13-acl-remark-name
  |   |   |   |   +--rw hide-ip-acl-std
  |   |   |   |   |   +--rw seq* [seq-id]
  |   |   |   |   |   |   +--rw seq-id                seq-id-std-ext
  |   |   |   |   |   |   +--rw action                enumeration
  |   |   |   |   |   |   +--rw src-host-any-sip      union
  |   |   |   |   |   |   +--rw src-host-ip          sip
  |   |   |   |   |   |   +--rw src-mask             sip-mask
  |   |   |   |   |   |   +--rw count?               empty
  |   |   |   |   |   |   +--rw count-sync?          empty
  |   |   |   |   |   |   +--rw log?                 empty
  |   |   |   |   |   |   +--rw copy-sflow?          empty
  |   |   |   |   +--rw extended* [name]
  |   |   |   |   |   +--rw name                13-acl-policy-name
  |   |   |   |   |   +--rw remark?            13-acl-remark-name
  |   |   |   |   +--rw hide-ip-acl-ext
  |   |   |   |   |   +--rw seq* [seq-id]
  |   |   |   |   |   |   +--rw seq-id                seq-id-std-ext
  |   |   |   |   |   |   +--rw action                enumeration
  |   |   |   |   |   |   +--rw protocol-type        union
  |   |   |   |   |   |   +--rw src-host-any-sip      union
  |   |   |   |   |   |   +--rw src-host-ip          sip
  |   |   |   |   |   |   +--rw src-mask             sip-mask
  |   |   |   |   |   |   +--rw sport?               enumeration
  |   |   |   |   |   |   +--rw sport-number-eq-neq-tcp union
  |   |   |   |   |   |   +--rw sport-number-lt-tcp  union
  |   |   |   |   |   |   +--rw sport-number-gt-tcp  union
  |   |   |   |   |   |   +--rw sport-number-eq-neq-udp union
  |   |   |   |   |   |   +--rw sport-number-lt-udp  union
  |   |   |   |   |   |   +--rw sport-number-gt-udp  union
  |   |   |   |   |   |   +--rw sport-number-range-lower-tcp union
  |   |   |   |   |   |   +--rw sport-number-range-lower-udp union
  |   |   |   |   |   |   +--rw sport-number-range-higher-tcp union
  |   |   |   |   |   |   +--rw sport-number-range-higher-udp union
  |   |   |   |   |   |   +--rw dst-host-any-dip     union
  |   |   |   |   |   |   +--rw dst-host-ip          dip
  |   |   |   |   |   |   +--rw dst-mask             dip-mask
  |   |   |   |   |   |   +--rw dport?               enumeration
  |   |   |   |   |   |   +--rw dport-number-eq-neq-tcp union
  |   |   |   |   |   |   +--rw dport-number-lt-tcp  union
  |   |   |   |   |   |   +--rw dport-number-gt-tcp  union
  |   |   |   |   |   |   +--rw dport-number-eq-neq-udp union
  |   |   |   |   |   |   +--rw dport-number-lt-udp  union
  |   |   |   |   |   |   +--rw dport-number-gt-udp  union
  |   |   |   |   |   |   +--rw dport-number-range-lower-tcp union
  |   |   |   |   |   |   +--rw dport-number-range-lower-udp union
  |   |   |   |   |   |   +--rw dport-number-range-higher-tcp union
  |   |   |   |   |   |   +--rw dport-number-range-higher-udp union
  |   |   |   |   |   |   +--rw icmp-type?           icmp-type-uint
  |   |   |   |   |   |   +--rw icmp-code?           icmp-code-uint
  |   |   |   |   |   |   +--rw ip-ttl?              ip-ttl-uint
  |   |   |   |   |   |   +--rw dscp?                union

```

```

|           +---rw dscp-force?           dscprmrk-uint
|           +---rw drop-precedence-force? drop-prec-uint
|           +---rw urg?                   empty
|           +---rw ack?                   empty
|           +---rw push?                  empty
|           +---rw fin?                   empty
|           +---rw rst?                   empty
|           +---rw sync?                  empty
|           +---rw vlan?                  interface:vlan-type
|           +---rw connlimit?             precedence-uint
|           +---rw fragment?              empty
|           +---rw non-fragment?          empty
|           +---rw count?                 empty
|           +---rw count-sync?            empty
|           +---rw log?                   empty
|           +---rw mirror?                empty
|           +---rw copy-sflow?            empty
+---rw acl-mirror
    +---rw source* [src-interface-type src-interface-name destination dst-interface-type
dst-interface-name]
        +---rw src-interface-type    enumeration
        +---rw src-interface-name    mirror-ifname
        +---rw destination           enumeration
        +---rw dst-interface-type    enumeration
        +---rw dst-interface-name    mirror-ifname

```

brocade-ip-administration

External augmentations

```
module: brocade-ip-administration
  +--rw dhcpd
    +--ro restart
      +--ro input
      +--ro output
        +--ro mesg?  string
```

brocade-ip-config

Using this module, you can apply primary and secondary IP addresses to a physical interface, port-channel, or VE interface.

External augmentations

```
module: brocade-common-def
  +--rw ip
    | | +--rw ip-config:ip-config
    | | | +--rw ip-config:mtu? ip-mtu
    | | | +--rw ip-config:directed-broadcast? empty
    | | | +--rw ip-config:proxy-arp? empty
    | | | +--rw ip-config:arp-aging-timeout? uint32
    | | | +--rw ip-config:address [address]
    | | |   +--rw ip-config:address union
    | | |   +--rw ip-config:secondary? empty
    | | |   +--rw ip-config:ospf-passive? empty
    | | |   +--rw ip-config:ospf-ignore? empty
```

brocade-ip-policy

IP route policy controls how routes or IP subnets are transported from one subsystem to another subsystem. The IP route policy may perform “permit” or “deny” actions so that matched routes may be allowed or denied to the target subsystem accordingly. Additionally, an IP route policy may be used to modify the characteristics of a matched route and IP subnet pair.

This module models two types of IP route policies: prefix lists and route maps.

Top-level container

```
module: brocade-ip-policy
  +--rw hide-filter-change-update-delay-holder
    +--rw filter-change-update-delay* [filter-delay-value]
      +--rw filter-delay-value      uint32
```

brocade-ipv6-access-list

Top-level container

```

module: brocade-ipv6-access-list
  +--rw ipv6-acl
    +--rw ipv6
      +--rw access-list
        +--rw standard* [name]
          | +--rw name          ipv6-l3-acl-policy-name
          | +--rw remark?     ip-access-list:l3-acl-remark-name
          | +--rw seq* [seq-id]
          |   +--rw seq-id          ip-access-list:seq-id-std-ext
          |   +--rw action          enumeration
          |   +--rw src-host-any-sip union
          |   +--rw src-host-ip     sip
          |   +--rw src-mask        sip-mask
          |   +--rw count?         empty
          |   +--rw count-sync?    empty
          |   +--rw log?           empty
          |   +--rw copy-sflow?    empty
        +--rw extended* [name]
          +--rw name          ipv6-l3-acl-policy-name
          +--rw remark?     ip-access-list:l3-acl-remark-name
          +--rw seq* [seq-id]
            +--rw seq-id          ip-access-list:seq-id-std-ext
            +--rw action          enumeration
            +--rw protocol-type   union
            +--rw src-host-any-sip union
            +--rw src-host-ip     sip
            +--rw src-mask        sip-mask
            +--rw sport?         enumeration
            +--rw sport-number-eq-neq-tcp union
            +--rw sport-number-lt-tcp union
            +--rw sport-number-gt-tcp union
            +--rw sport-number-eq-neq-udp union
            +--rw sport-number-lt-udp union
            +--rw sport-number-gt-udp union
            +--rw sport-number-range-lower-tcp union
            +--rw sport-number-range-lower-udp union
            +--rw sport-number-range-higher-tcp union
            +--rw sport-number-range-higher-udp union
            +--rw dst-host-any-dip union
            +--rw dst-host-ip     dip
            +--rw dst-mask        dip-mask
            +--rw dport?         enumeration
            +--rw dport-number-eq-neq-tcp union
            +--rw dport-number-lt-tcp union
            +--rw dport-number-gt-tcp union
            +--rw dport-number-eq-neq-udp union
            +--rw dport-number-lt-udp union
            +--rw dport-number-gt-udp union
            +--rw dport-number-range-lower-tcp union
            +--rw dport-number-range-lower-udp union
            +--rw dport-number-range-higher-tcp union
            +--rw dport-number-range-higher-udp union
            +--rw dscp?         union
            +--rw dscp-force?    ip-access-list:dscprmk-uint
            +--rw drop-precedence-force? ip-access-list:drop-prec-uint
            +--rw urg?         empty
            +--rw ack?         empty
            +--rw push?        empty

```

```

+--rw fin?                empty
+--rw rst?                empty
+--rw sync?              empty
+--rw vlan?              interface:vlan-type
+--rw connlimit?         precedence-uint
+--rw count?             empty
+--rw count-sync?       empty
+--rw log?               empty
+--rw mirror?            empty
+--rw copy-sflow?       empty
```

brocade-isis

External augmentations

```
module: brocade-interface
  +--rw ip-config:ip
    | +--rw ip-config:ip-config
    | | +--rw ip-config:address [address]
    | |   +--rw ip-config:address union
    | +--rw isis:intf-router-isis
    | | +--rw isis:int-router-isis
    | |   +--rw isis:interface-ip-router-isis? empty

module: brocade-interface
  +--rw isis:intf-router-isis
  | +--rw isis:int-router-isis
  |   +--rw isis:interface-ip-router-isis? empty

module: brocade-interface

  +--rw isis:intf-router-isis
  | +--rw isis:int-router-isis
  |   +--rw isis:interface-ip-router-isis? empty
```

brocade-isis-operational

Top-level container

```

module: brocade-isis-operational
  +--ro adj-neighbor-entries-state
  | +--ro adj-neighbor* [neighbor-id]
  | | +--ro adj-state-change-time? uint32
  | | +--ro adj-type? isis-adj-type
  | | +--ro adj-state? string
  | | +--ro neighbor-id string
  | | +--ro circuit-intf-name? string
  | | +--ro snpa? string
  | | +--ro adj-holding-time? uint8
  | | +--ro adj-priority? uint8
  | | +--ro adj-mtprot? isis-adj-prot-type
  | | +--ro adj-prot? isis-adj-prot-type
  | | +--ro remaining-time? uint32
  | | +--ro adj-3way-state? isis-dcm-3way-adj-state
  | | +--ro host-name? string
  | | +--ro adj-lan-name? string
  | | +--ro adj-lan-id? uint8
  | | +--ro adj-p2p-circ-id? uint32
  | | +--ro adj-num-adds? uint8
  | | +--ro adj-use? isis-spf-level
  | | +--ro ip-circuit-id? uint32
  | | +--ro adj-address? inet:ipv4-address
  | | +--ro ip6-circuit-id? uint32
  | | +--ro adj-ip6-address? string
  | | +--ro bfd-holdover-interval? uint8
  | | +--ro adj-bfd-holdover-time? uint8
  | | +--ro bfd-state? string
  | | +--ro adj-area* [adj-asi-area-name]
  | | | +--ro adj-asi-area-name string
  +--ro counts-state
  | +--ro areamis? uint32
  | +--ro maxareamis? uint32
  | +--ro badidlen? uint32
  | +--ro seqskip? uint32
  | +--ro seqerr? uint32
  | +--ro l1dbol? uint32
  | +--ro l2dbol? uint32
  | +--ro ownpurge? uint32
  | +--ro csnpl1authfail? uint32
  | +--ro csnpl2authfail? uint32
  | +--ro psnpl1authfail? uint32
  | +--ro psnpl2authfail? uint32
  | +--ro circ-l1authfail? uint32
  | +--ro circ-l2authfail? uint32
  +--ro sr-isis-error-info
  | | +--ro sr-isis-e-same-node-sid-diff-prefix-level? uint32
  | | +--ro sr-isis-e-no-adj-label-space? uint32
  | | +--ro sr-isis-error-counts-per-level-info* [level]
  | | | +--ro level isis-level
  | | | +--ro sr-isis-e-same-node-sid-diff-pre-add? uint32
  | | | +--ro sr-isis-e-same-pre-add-diff-node-sid? uint32
  | | | +--ro sr-isis-e-prefix-sid-flag-n-unset? uint32
  | | | +--ro sr-isis-e-prefix-sid-out-of-my-srgb? uint32
  | | | +--ro sr-isis-e-prefix-no-sr-capability? uint32
  | | | +--ro sr-isis-e-prefix-sid-out-of-nh-srgb? uint32
  | | | +--ro sr-isis-e-cap-sub-tlv-flag-i-unset? uint32
  +--ro bad-lsp-log* [type-index]

```

```

|     +---ro type-index      uint8
|     +---ro time-stamp?    uint32
|     +---ro l1-count?      uint32
|     +---ro l2-count?      uint32
+---ro debug-isis-info-state
|     +---ro global?        boolean
|     +---ro adj?           boolean
|     +---ro error?         boolean
|     +---ro interface?     boolean
|     +---ro l1-csnp?       boolean
|     +---ro l2-csnp?       boolean
|     +---ro l1-hello?      boolean
|     +---ro l2-hello?      boolean
|     +---ro l1-lsp?        boolean
|     +---ro l2-lsp?        boolean
|     +---ro l1-psnp?       boolean
|     +---ro l2-psnp?       boolean
|     +---ro lspdump?       boolean
|     +---ro lspflood?      boolean
|     +---ro memory?        boolean
|     +---ro nsr?           boolean
|     +---ro pp-hello?      boolean
|     +---ro pspf?          boolean
|     +---ro pspf-detail?   boolean
|     +---ro redist?        boolean
|     +---ro route-table?   boolean
|     +---ro spf?           boolean
|     +---ro spf-log?       boolean
|     +---ro spf-stct?      boolean
|     +---ro te?            boolean
|     +---ro trace?         boolean
+---ro isis-state
|     +---ro global-isis-info
|     |     +---ro isis-protocol?          boolean
|     |     +---ro isis-state?            boolean
|     |     +---ro is-type?                uint32
|     |     +---ro system-id?              string
|     |     +---ro area-addresses?         string
|     |     +---ro database-state-level-1? string
|     |     +---ro database-state-level-2? string
|     |     +---ro database-state-level-1-2? string
|     |     +---ro overload-reason?        string
|     |     +---ro check-alarm?            boolean
|     |     +---ro overload-state-since?    string
|     |     +---ro overload-state-rem-time? string
|     |     +---ro admin-distance?         uint32
|     |     +---ro v6-admin-distance?      uint32
|     |     +---ro max-paths?              uint32
|     |     +---ro v6-max-paths?           uint32
|     |     +---ro default-redis-metric?   uint32
|     |     +---ro v6-default-redis-metric? uint32
|     |     +---ro default-link-metric-l1-conf? uint32
|     |     +---ro default-link-metric-l1-adv? uint32
|     |     +---ro default-link-metric-l2-conf? uint32
|     |     +---ro default-link-metric-l2-adv? uint32
|     |     +---ro v6-default-link-metric-l1-conf? uint32
|     |     +---ro v6-default-link-metric-l1-adv? uint32
|     |     +---ro v6-default-link-metric-l2-conf? uint32
|     |     +---ro v6-default-link-metric-l2-adv? uint32
|     |     +---ro redis-protocol?         string
|     |     +---ro no-routes-redis?        uint32
|     |     +---ro v6-redis-protocol?      string
|     |     +---ro v6-no-routes-redis?     uint32
|     |     +---ro auth-mode-l1?          string

```

```

| | +--ro auth-mode-l2?          string
| | +--ro auth-key-l1?         string
| | +--ro auth-key-l2?         string
| | +--ro l1-auth-no-check?    isis-status
| | +--ro l2-auth-no-check?    isis-status
| | +--ro metric-style-l1?     string
| | +--ro metric-style-l2?     string
| | +--ro graceful-restart-helper? boolean
| | +--ro pspf-optimization?   boolean
| | +--ro spf-max-wait-l1?     uint32
| | +--ro spf-max-wait-l2?     uint32
| | +--ro spf-init-wait-l1?    uint32
| | +--ro spf-init-wait-l2?    uint32
| | +--ro spf-second-wait-l1?  uint32
| | +--ro spf-second-wait-l2?  uint32
| | +--ro spf-scheduled-l1?   string
| | +--ro spf-scheduled-l2?   string
| | +--ro pspf-max-wait?       uint32
| | +--ro pspf-init-wait?      uint32
| | +--ro pspf-second-wait?    uint32
| | +--ro pspf-scheduled?     string
| | +--ro spf6-max-wait-l1?    uint32
| | +--ro spf6-max-wait-l2?    uint32
| | +--ro spf6-init-wait-l1?   uint32
| | +--ro spf6-init-wait-l2?   uint32
| | +--ro spf6-second-wait-l1? uint32
| | +--ro spf6-second-wait-l2? uint32
| | +--ro spf6-scheduled-l1?  string
| | +--ro spf6-scheduled-l2?  string
| | +--ro pspf6-max-wait?      uint32
| | +--ro pspf6-init-wait?     uint32
| | +--ro pspf6-second-wait?   uint32
| | +--ro pspf6-scheduled?    string
| | +--ro lsp-max-lifetime?    uint32
| | +--ro lsp-refresh-interval? uint32
| | +--ro lsp-gen-interval?    uint32
| | +--ro lsp-retrans-interval? uint32
| | +--ro lsp-interval?       uint32
| | +--ro snp-csnp-interval?   uint32
| | +--ro snp-psnp-interval?   uint32
| | +--ro hello-padding?       boolean
| | +--ro hello-padding-ptp?   uint32
| | +--ro ptp-handshake?       boolean
| | +--ro bgp-ipv4-converged?  boolean
| | +--ro bgp-ipv6-converged?  boolean
| | +--ro isis-te?             boolean
| | +--ro isis-shortcuts?      string
| | +--ro isis-reverse-metric? uint32
| | +--ro isis-reverse-metric-wbit? uint32
| | +--ro isis-reverse-metric-sbit? uint32
| | +--ro bfd-enabled?         boolean
| | +--ro bfd-hold-interval?   uint32
| | +--ro nsr-enabled?         boolean
| | +--ro nsr-state?           string
| | +--ro nsr-sync-state?      boolean
| | +--ro isis-is-mp?          boolean
| | +--ro ldp-sync?            boolean
| | +--ro ldp-sync-holddown-time? uint32
| +--ro router-isis-config
| | +--ro nsr-state?           isis-status
| | +--ro lsp-flood-count?     uint16
| | +--ro lsp-fast-flood-count? uint16
| | +--ro fast-flood-wait-count? uint16
| | +--ro hello-padding?       isis-status

```

```

| | +--ro hello-padding-ntp?      isis-status
| | +--ro csnp-interval?        uint16
| | +--ro lsp-gen-interval?     uint16
| | +--ro lsp-interval?        uint32
| | +--ro lsp-refresh-interval? uint16
| | +--ro lsp-lifetime?        uint16
| | +--ro retransmit-interval?  uint16
| | +--ro pspf-enabled?        isis-status
| | +--ro ispf-enabled?        isis-status
| | +--ro istct-spf-enabled?    isis-status
| | +--ro overload-state?      isis-status
| | +--ro overload-startup-time? uint32
| | +--ro overload-wait-on-bgp? isis-status
| | +--ro overload-bgp-wait-time? uint32
| | +--ro enable-code-assertions? isis-status
| | +--ro graceful-restart-helper? isis-status
| | +--ro isis-hostname-enabled? isis-status
| | +--ro bfd?                 boolean
| | +--ro bfd-holdover-interval? uint8
| | +--ro isis-system-info
| | | +--ro protocol-enabled?   isis-status
| | | +--ro operation-mode?    isis-level
| | | +--ro system-id?        string
| | | +--ro nsap* [net-addr]
| | | | +--ro length?         uint8
| | | | +--ro net-addr      string
| | +--ro l1-auth-profile
| | | +--ro auth-check?       isis-status
| | | +--ro auth-mode?       auth-mode
| | | +--ro auth-key?        string
| | +--ro l2-auth-profile
| | | +--ro auth-check?       isis-status
| | | +--ro auth-mode?       auth-mode
| | | +--ro auth-key?        string
| | +--ro log-handler
| | | +--ro log-adj-state-change? isis-status
| | | +--ro log-bad-lsp?       isis-status
| | +--ro l1-spf-timer
| | | +--ro init-delay-time?   uint32
| | | +--ro hold-down-time?    uint32
| | | +--ro max-time?         uint32
| | +--ro l2-spf-timer
| | | +--ro init-delay-time?   uint32
| | | +--ro hold-down-time?    uint32
| | | +--ro max-time?         uint32
| | +--ro l1-spf6-timer
| | | +--ro init-delay-time?   uint32
| | | +--ro hold-down-time?    uint32
| | | +--ro max-time?         uint32
| | +--ro l2-spf6-timer
| | | +--ro init-delay-time?   uint32
| | | +--ro hold-down-time?    uint32
| | | +--ro max-time?         uint32
| | +--ro pspf-timer
| | | +--ro init-delay-time?   uint32
| | | +--ro hold-down-time?    uint32
| | | +--ro max-time?         uint32
| | +--ro pspf6-timer
| | | +--ro init-delay-time?   uint32
| | | +--ro hold-down-time?    uint32
| | | +--ro max-time?         uint32
| | +--ro is-address-family-v4
| | | +--ro afi?              isis-afi
| | | +--ro safi?            isis-safi

```

```

| | | +--ro originate-default-route?      isis-status
| | | +--ro originate-default-routemap-name?  string
| | | +--ro default-metric?                uint16
| | | +--ro l1-default-link-metric?         uint32
| | | +--ro l2-default-link-metric?         uint32
| | | +--ro administrative-distance?        uint32
| | | +--ro maximum-equal-cost-paths?      uint32
| | | +--ro redist-static
| | | | +--ro redist-enabled?              isis-status
| | | | +--ro redist-level?                isis-level
| | | | +--ro redist-metric?                uint32
| | | | +--ro redist-metric-type?          is-redist-metric-type
| | | | +--ro redist-routemap-name?        string
| | | +--ro redist-connected
| | | | +--ro redist-enabled?              isis-status
| | | | +--ro redist-level?                isis-level
| | | | +--ro redist-metric?                uint32
| | | | +--ro redist-metric-type?          is-redist-metric-type
| | | | +--ro redist-routemap-name?        string
| | | +--ro redist-bgp
| | | | +--ro redist-enabled?              isis-status
| | | | +--ro redist-level?                isis-level
| | | | +--ro redist-metric?                uint32
| | | | +--ro redist-metric-type?          is-redist-metric-type
| | | | +--ro redist-routemap-name?        string
| | | +--ro redist-isis
| | | | +--ro redist-is-l2-to-l1?          isis-status
| | | | +--ro redist-is-l2-to-l1-prefix?    string
| | | | +--ro redist-is-l1-to-l2?          isis-status
| | | | +--ro redist-is-l1-to-l2-prefix?    string
| | | +--ro redist-ospf
| | | | +--ro redist-enabled?              isis-status
| | | | +--ro redist-level?                isis-level
| | | | +--ro redist-metric?                uint32
| | | | +--ro redist-metric-type?          is-redist-metric-type
| | | | +--ro redist-routemap-name?        string
| | | | +--ro ospf-internal-enabled?       isis-status
| | | | +--ro ospf-external1-enabled?      isis-status
| | | | +--ro ospf-external2-enabled?      isis-status
| | | | +--ro l1-wide-metric-enabled?      boolean
| | | | +--ro l2-wide-metric-enabled?      boolean
| | | | +--ro ldp-sync-enabled?             isis-status
| | | | +--ro ldp-sync-hold-down?          uint16
| | | +--ro summary-address-v4* [address]
| | | | +--ro address                       inet:ipv4-address
| | | | +--ro ipv4-mask?                     inet:ipv4-address
| | | | +--ro level?                         isis-level
| | | +--ro sr-srgb-range* [level]
| | | | +--ro lower-range-value?            uint32
| | | | +--ro upper-range-value?            uint32
| | | | +--ro level                          isis-level
| | | +--ro is-address-family-v6
| | | | +--ro afi?                           isis-afi
| | | | +--ro safi?                           isis-safi
| | | | +--ro originate-default-route?      isis-status
| | | | +--ro originate-default-routemap-name?  string
| | | | +--ro default-metric?                uint16
| | | | +--ro l1-default-link-metric?         uint32
| | | | +--ro l2-default-link-metric?         uint32
| | | | +--ro administrative-distance?        uint32
| | | | +--ro maximum-equal-cost-paths?      uint32
| | | | +--ro redist-static
| | | | | +--ro redist-enabled?              isis-status
| | | | | +--ro redist-level?                isis-level

```

```

| | | | +--ro redist-metric?          uint32
| | | | +--ro redist-metric-type?    is-redist-metric-type
| | | | +--ro redist-routemap-name?  string
| | | +--ro redist-connected
| | | | +--ro redist-enabled?        isis-status
| | | | +--ro redist-level?         isis-level
| | | | +--ro redist-metric?        uint32
| | | | +--ro redist-metric-type?    is-redist-metric-type
| | | | +--ro redist-routemap-name?  string
| | | +--ro redist-bgp
| | | | +--ro redist-enabled?        isis-status
| | | | +--ro redist-level?         isis-level
| | | | +--ro redist-metric?        uint32
| | | | +--ro redist-metric-type?    is-redist-metric-type
| | | | +--ro redist-routemap-name?  string
| | | +--ro redist-isis
| | | | +--ro redist-is-l2-to-l1?    isis-status
| | | | +--ro redist-is-l2-to-l1-prefix? string
| | | | +--ro redist-is-l1-to-l2?    isis-status
| | | | +--ro redist-is-l1-to-l2-prefix? string
| | | +--ro redist-ospf
| | | | +--ro redist-enabled?        isis-status
| | | | +--ro redist-level?         isis-level
| | | | +--ro redist-metric?        uint32
| | | | +--ro redist-metric-type?    is-redist-metric-type
| | | | +--ro redist-routemap-name?  string
| | | | +--ro ospf-internal-enabled? isis-status
| | | | +--ro ospf-external1-enabled? isis-status
| | | | +--ro ospf-external2-enabled? isis-status
| | | | +--ro adjacency-check?      isis-status
| | | | +--ro multi-topology?       isis-status
| | | | +--ro mt-transition-state?   boolean
| | | | +--ro summary-prefix-v6* [address]
| | | | | +--ro address string
| | | | | +--ro level? isis-level
| | | +--ro reverse-metric
| | | | +--ro reverse-metric-value?  uint32
| | | | +--ro rev-metric-whole-lan?  isis-status
| | | | +--ro rev-metric-te-def-metric? isis-status
| | | | +--ro rev-metric-tlv-type?   uint32
| | | +--ro debug-handler
| | | | +--ro debug-nsr? isis-status
| | +--ro host-table
| | | +--ro hostname-enabled? boolean
| | | +--ro isis-router-entry* [system-id]
| | | | +--ro system-id string
| | | | +--ro host-name? string
| | | | +--ro is-local? boolean
| | +--ro ipv4-routes
| | | +--ro total-routes-count? uint32
| | | +--ro ipv4-route-entry* [ipv4-dest-addr ipv4-subnet-mask ipv4-prefix-len]
| | | | +--ro level? uint8
| | | | +--ro cost? uint32
| | | | +--ro tag? uint32
| | | | +--ro flags? uint16
| | | | +--ro is-l1-summarized? boolean
| | | | +--ro is-l2-summarized? boolean
| | | | +--ro is-summary? boolean
| | | | +--ro ipv4-dest-addr inet:ipv4-address
| | | | +--ro ipv4-subnet-mask inet:ipv4-address
| | | | +--ro ipv4-prefix-len int8
| | | | +--ro nh-info* [outgoing-intf-type outgoing-intf-number]
| | | | | +--ro ipv4-nh-addr? inet:ipv4-address
| | | | +--ro outgoing-intf-type isis-interface-type

```

```

| |         +--ro outgoing-intf-number    string
| +--ro ipv6-routes
| |   +--ro level1-route-count?    uint32
| |   +--ro level2-route-count?    uint32
| |   +--ro ecmp-route-count?      uint32
| |   +--ro total-routes-count?    uint32
| |   +--ro ipv6-route-entry* [ipv6-dest-addr ipv6-prefix-len]
| |     +--ro level?                uint8
| |     +--ro cost?                 uint32
| |     +--ro tag?                  uint32
| |     +--ro flags?                uint16
| |     +--ro is-l1-summarized?     boolean
| |     +--ro is-l2-summarized?     boolean
| |     +--ro is-summary?           boolean
| |     +--ro ipv6-dest-addr        string
| |     +--ro ipv6-prefix-len       uint8
| |     +--ro nh-info* [outgoing-intf-type outgoing-intf-number]
| |       +--ro ipv6-nh-addr?       string
| |       +--ro outgoing-intf-type  isis-interface-type
| |       +--ro outgoing-intf-number string
| +--ro interface-brief
| |   +--ro isis-intf-brief* [intf-type intf-number]
| |     +--ro intf-type              isis-interface-type
| |     +--ro intf-number            string
| |     +--ro circuit-type?          isis-circ-type
| |     +--ro is-circuit-passive?    isis-status
| |     +--ro circuit-mode?          isis-level
| |     +--ro circ-state?            boolean
| |     +--ro mtu-size?              uint16
| |     +--ro circ-adj-up?           uint16
| |     +--ro circ-changes?         uint32
| |     +--ro adj-changes?          uint32
| |     +--ro is-l1-dis?             boolean
| |     +--ro is-l2-dis?             boolean
| +--ro interface-detail
| |   +--ro isis-intf* [intf-type intf-number]
| |     +--ro intf-type              isis-interface-type
| |     +--ro intf-number            string
| |     +--ro v4circuit-enabled?     isis-status
| |     +--ro v6circuit-enabled?     isis-status
| |     +--ro circuit-id?            uint16
| |     +--ro circuit-ifid?          uint16
| |     +--ro circuit-state?         boolean
| |     +--ro circuit-ip-state?      boolean
| |     +--ro circuit-ipv6-state?    boolean
| |     +--ro mpls-enabled?          boolean
| |     +--ro circuit-mode?          isis-level
| |     +--ro circuit-type?          isis-circ-type
| |     +--ro circuit-encap?         isis-circ-encap
| |     +--ro is-circuit-passive?    isis-status
| |     +--ro mtu-size?              uint16
| |     +--ro padding-enabled?       isis-status
| |     +--ro bfd-enabled?           isis-status
| |     +--ro circ-chstats
| |       | +--ro circ-changes?    uint32
| |       | +--ro adj-changes?    uint32
| |       | +--ro adj-rej?        uint32
| |       | +--ro llauthfail?     uint32
| |       | +--ro l2authfail?     uint32
| |       | +--ro bad-lsps?       uint32
| |       | +--ro ctrl-out?       uint32
| |       | +--ro ctrl-in?        uint32
| |     +--ro mpls-info
| |       | +--ro te-enabled?      isis-status

```

```

| | | +--ro admin-group?      uint32
| | | +--ro te-metric?       uint32
| | | +--ro max-link-bw?    uint32
| | | +--ro max-reserv-bw?  uint32
| | | +--ro unreserv-bw*   uint32
| | +--ro reverse-metric-info
| | | +--ro is-global-config?      boolean
| | | +--ro reverse-metric-value?  uint32
| | | +--ro rev-metric-whole-lan?  isis-status
| | | +--ro rev-metric-te-def-metric? isis-status
| | +--ro ldp-sync-info
| | | +--ro ldp-sync-enabled?      isis-status
| | | +--ro ldp-sync-hold-down?    uint16
| | | +--ro ldp-in-sync?          boolean
| | | +--ro remain-hd-time?       uint32
| | | +--ro ldp-sync-hd-expired?  boolean
| | +--ro circ-metrics* [level]
| | | +--ro level                isis-level
| | | +--ro auth-check?          isis-status
| | | +--ro auth-mode?           auth-mode
| | | +--ro auth-key?            string
| | | +--ro circ-metric?         uint32
| | | +--ro ip6-circ-metric?     uint32
| | | +--ro circ-priority?       uint8
| | | +--ro hello-int?          uint32
| | | +--ro hello-mult?         uint32
| | | +--ro dis?                 string
| | | +--ro dis-ch?             uint32
| | | +--ro next-hello?         uint32
| | | +--ro active-adj?         uint32
| | +--ro ip-info* [ip-add]
| | | +--ro ip-add              inet:ipv4-address
| | | +--ro ip-prefix?          uint8
| | +--ro ip6-info* [ip6-add]
| | | +--ro ip6-add             inet:ipv6-address
| | | +--ro ip6-prefix?         uint8
| | | +--ro is-link-local?      boolean
| | +--ro sr-info* [level]
| | | +--ro level                isis-level
| | | +--ro sr-disabled?         boolean
| | | +--ro ip-add?             inet:ipv4-address
| | | +--ro ip-prefix?          uint8
| | | +--ro sid-value?          uint32
| +--ro shortcuts
| | +--ro configured?           uint32
| | +--ro up?                   uint32
| | +--ro announced?           uint32
| | +--ro isis-shortcut-entry* [level]
| | | +--ro level                isis-level
| | | +--ro lsp-name?            string
| | | +--ro system-id?          string
| | | +--ro protocol?           string
| | | +--ro announced?          boolean
| | | +--ro to-address?         inet:ipv4-address
| | | +--ro spf-metric?         uint32
| | | +--ro announce-metric?    uint32
| | | +--ro lsp-metric?         uint32
| | | +--ro relative-metric?    uint32
| | | +--ro mpls-timestamp?     string
| +--ro sid
| | +--ro isis-sid-entry* [level]
| | | +--ro type?               string
| | | +--ro to?                 string
| | | +--ro label?              uint32

```

```

| | +--ro intf?          string
| | +--ro level         isis-level
| | +--ro value?       uint32
| | +--ro flags?       string
| | +--ro algo-weight? uint8
| +--ro database* [level]
|   +--ro isis-operation? boolean
|   +--ro level         uint32
|   +--ro lsp-level1-count? uint32
|   +--ro lsp-level2-count? uint32
|   +--ro lsp-level1-loading? uint32
|   +--ro lsp-level2-loading? uint32
|   +--ro lsp-level1-fragments? uint32
|   +--ro lsp-level2-fragments? uint32
|   +--ro lsp-level1-pseudo? uint32
|   +--ro lsp-level2-pseudo? uint32
|   +--ro lsp-level1-pseudo-fragments? uint32
|   +--ro lsp-level2-pseudo-fragments? uint32
|   +--ro lsp-level1-my-count? uint32
|   +--ro lsp-level2-my-count? uint32
|   +--ro lsp-level1-my-lsp-fragments? uint32
|   +--ro lsp-level2-my-lsp-fragments? uint32
|   +--ro lsp-level1-my-pseudo? uint32
|   +--ro lsp-level2-my-pseudo? uint32
|   +--ro lsp-level1-my-pseudo-fragments? uint32
|   +--ro lsp-level2-my-pseudo-fragments? uint32
|   +--ro lsp-level1-checksum? uint32
|   +--ro lsp-level2-checksum? uint32
|   +--ro lsp-entry* [lsp-level lsp-id]
|     +--ro lsp-level      uint32
|     +--ro lsp-id        string
|     +--ro lsp-seq-no?    uint32
|     +--ro lsp-checksum? uint16
|     +--ro lsp-holdtime? uint32
|     +--ro lsp-att?      uint32
|     +--ro lsp-p?        uint32
|     +--ro lsp-ol?       uint32
|     +--ro lsp-tlv-entry* [type]
|       +--ro type         uint32
|       +--ro length?     uint32
|       +--ro value*      binary
+--ro traffic-state
| +--ro l1-hello-rx?  uint32
| +--ro l1-hello-tx?  uint32
| +--ro l2-hello-rx?  uint32
| +--ro l2-hello-tx?  uint32
| +--ro pp-hello-rx?  uint32
| +--ro pp-hello-tx?  uint32
| +--ro l1-lsp-rx?    uint32
| +--ro l1-lsp-tx?    uint32
| +--ro l2-lsp-rx?    uint32
| +--ro l2-lsp-tx?    uint32
| +--ro l1-csnp-rx?   uint32
| +--ro l1-csnp-tx?   uint32
| +--ro l2-csnp-rx?   uint32
| +--ro l2-csnp-tx?   uint32
| +--ro l1-psnp-rx?   uint32
| +--ro l1-psnp-tx?   uint32
| +--ro l2-psnp-rx?   uint32
| +--ro l2-psnp-tx?   uint32
+--ro spf-log-state* [spf-log-version]
  +--ro spf-log-version  isis-safi
  +--ro spf-log-levels* [level]
    +--ro level          isis-level

```

```

+--ro log-counts?          uint16
+--ro spf-trigger-count?   uint16
+--ro node-count?         uint16
+--ro spf-log-events* [spf-log-index]
  +--ro spf-log-index      uint16
  +--ro isis-spf-log-reason? isis-spf-log-reason-code
  +--ro isis-lsp-name?     string
  +--ro brief-reason?     string
  +--ro event-count?      uint16
  +--ro node-count?      uint16
  +--ro time-stamp-ms?    uint32
  +--ro duration-ms?     uint32
  +--ro ipv4-routes?     uint32
  +--ro ipv6-routes?     uint32
  +--ro first-trigger-change? string
  +--ro first-trigger-time-stamp-ms? uint32
  +--ro first-trigger-detail-reason? string
  +--ro last-trigger-change? string
  +--ro last-trigger-time-stamp-ms? uint32
  +--ro last-trigger-detail-reason? string
```

brocade-keychain

Top-level container

```
+---rw keychain* [name-of-keychain]
  +---rw name-of-keychain    string
  +---rw accept-tolerance?  uint32
  +---rw key* [key-id]
    +---rw key-id            uint32
    +---rw key-string
      | +---rw key-string-text?  string
      | +---rw encryption-level? uint32
    +---rw accept-lifetime
      | +---rw local?           boolean
      | +---rw start-time?      time-format-start
      | +---rw (duration-options)?
      |   +---:(duration-option-value-case)
      |     | +---rw duration-value?  uint32
      |     +---:(duration-option-infinite-case)
      |       | +---rw infinite?      empty
      |       +---:(duration-option-end-time)
      |         +---rw end-time?      time-format-end
    +---rw key-algorithm?     key_algo
```

brocade-l2sys-operational

Top-level container

```
module: brocade-l2sys-operational
  +--ro bd-mac-br-state
  | +--ro total-mac-count?   uint32
  | +--ro static-mac-count? uint32
  | +--ro dyn-mac-count?    uint32
  | +--ro evpn-mac-count?   uint32
  +--ro bridge-domain-mac-state* [bd-id]
    +--ro bd-id              uint32
    +--ro no-of-mac?         uint32
    +--ro no-of-static-mac?  uint32
```

brocade-lacp

Top-level container

```
module: brocade-lacp
  +--rw lacp
    +--rw system-priority?  uint32
```

External augmentations

```
module: brocade-interface
  +--rw interface
    | +--rw ethernet [name]
    | | +--rw lacp:lacp
    | | | +--rw lacp:timeout?          enumeration
    | | | +--rw lacp:std_port-priority? uint32 /*alt-name:port-priority*/
    | | | +--rw lacp:default-up?      empty
```

brocade-lag

Top-level container

```

module: brocade-lag
  +--rw port-channel-redundancy-group* [group-id]
    +--rw group-id          po-redundancy-group-type
    +--rw port-channel* [name]
      | +--rw name          interface:portchannel-type
      | +--rw port-channel-active? empty
    +--rw activate?        empty

```

RPCs

```

rpcs:
  +---x get-port-channel-detail
    | +---w input
    | | +---w (request-type)?
    | |   +---:(get-request)
    | |   | +---w aggregator-id?      interface:portchannel-type
    | |   +---:(get-next-request)
    | |   +---w last-aggregator-id?   interface:portchannel-type
    | +--ro output
    |   +--ro lacp*
    |   | +--ro aggregator-id?        interface:portchannel-type
    |   | +--ro aggregator-type?      enumeration
    |   | +--ro isvlag?                boolean
    |   | +--ro aggregator-mode?      enumeration
    |   | +--ro admin-key?            lacp-key
    |   | +--ro oper-key?              lacp-key
    |   | +--ro actor-system-id?      yang:mac-address
    |   | +--ro partner-system-id?    yang:mac-address
    |   | +--ro system-priority?      uint32
    |   | +--ro partner-oper-priority? uint32
    |   | +--ro rx-link-count?        uint64
    |   | +--ro tx-link-count?        uint64
    |   | +--ro individual-agg?       uint32
    |   | +--ro ready-agg?            uint32
    |   | +--ro partner-oper-key?     lacp-key
    |   | +--ro aggr-member*
    |   |   +--ro interface-type?     enumeration
    |   |   +--ro interface-name?     union
    |   |   +--ro actor-port?         uint64
    |   |   +--ro sync?               uint64
    |   +--ro has-more?               boolean
  +---x get-portchannel-info-by-intf
    +---w input
    | +---w interface-type?   enumeration
    | +---w interface-name?   union
    +--ro output
      +--ro lacp
        +--ro interface-type?   enumeration
        +--ro interface-name?   union
        +--ro actor-port?       uint64
        +--ro admin-key?        lacp-key
        +--ro oper-key?         lacp-key
        +--ro actor-system-id?   yang:mac-address
        +--ro partner-system-id? yang:mac-address
        +--ro system-priority?   uint32
        +--ro partner-oper-priority? uint32
        +--ro actor-priority?    uint32

```

```
+--ro receive-machine-state?      enumeration
+--ro periodic-transmission-machine-state?  enumeration
+--ro mux-machine-state?          enumeration
+--ro admin-state?                lacp-state
+--ro oper-state?                 lacp-state
+--ro partner-oper-state?         lacp-state
+--ro partner-oper-port?          uint64
+--ro actor-chip-number?          uint32
+--ro actor-max-deskew?           uint32
+--ro partner-chip-number?        uint32
+--ro partner-max-deskew?         uint32
+--ro actor-brcd-state?           brcd-trunk-states
+--ro partner-brcd-state?         brcd-trunk-states
```

brocade-lfs

Top-level container

```
module: brocade-lfs
  +--rw link-fault-signaling
    +--rw rx?  enumeration
    +--rw tx?  enumeration
```

External augmentations

```
module: brocade-interface
  | | +--rw lfs:link-fault-signaling
  | | | +--rw lfs:rx?  enumeration
  | | | +--rw lfs:tx?  enumeration
```

brocade-license

This module supports custom actions to perform operations such as installing and uninstalling a license, returning license ID information, returning license key values, and returning licensing information about dynamic Ports on Demand (POD).

Top-level container

```

module: brocade-license
  +--rw license
  | +---x add
  | | +---w input
  | |   +---w (str-file)?
  | |   | +--:(licStr)
  | |   | | +---w licStr      string
  | |   | +--:(FTP-URL)
  | |   | | +---w FTP-URL    string
  | |   | +--:(SCP-URL)
  | |   | | +---w SCP-URL    string
  | |   +---w slot?        uint32
  | +---x remove
  | | +---w input
  | |   +---w licStr      common-def:feature-type
  | |   +---w slot?        uint32
  | +---x eula
  |   +---w input
  |     +---w (accept-or-decline)?
  |     | +--:(accept)
  |     | | +---w accept      eula_features
  |     | +--:(decline)
  |     | | +---w decline    eula_features
  +--rw dpod
    +--rw port-id* [port-id]
      +--rw port-id      interface:interface-type
      +--rw operation?   license-dpod-operation-type

```

brocade-linecard-management

Top-level container

```

module: brocade-linecard-management
  +--rw global-lc-holder
  | +--rw linecard
  |   +--rw linecards* [linecardName]
  |     +--rw linecardName   linecardid
  |     +--rw linecardType?  enumeration
  +--rw linecardservice
  | +---x power-off
  | | +---w input
  | |   +---w (blade-type)?
  | |   +---:(linecard)
  | |     | +---w linecard?  slotnum
  | |     +---:(sfm)
  | |     | +---w sfm?      sfmnum
  | |     +---:(psu)
  | |     +---w psu?       psunum
  | +---x power-on
  | | +---w input
  | |   +---w (blade-type)?
  | |   +---:(linecard)
  | |     | +---w linecard?  slotnum
  | |     +---:(sfm)
  | |     | +---w sfm?      sfmnum
  | |     +---:(psu)
  | |     +---w psu?       psunum
  +--rw latch-detection-config
  | +--rw disable-latch-detection
  | | +---x latch-detection-disable
  | |   +---w input
  | |     +---w (blade-type)?
  | |     +---:(linecard)
  | |     +---w linecard    fusion_slotnum
  +--rw enable-latch-detection
  | +---x latch-detection-enable
  | | +---w input
  | |   +---w (blade-type)?
  | |   +---:(linecard)
  | |   +---w linecard    fusion_slotnum

```

brocade-lldp

LLDP is a data-link layer protocol, operating above the MAC service layer, that performs basic neighbor discovery. The discovery process involves advertising the network device identity, capabilities, and interconnections on an IEEE 802 LAN network.

The protocol is formally referred to by the IEEE as Station and Media Access Control Connectivity Discovery specified in standards document 802.1AB.

External augmentations

```

module: brocade-interface
  +--rw interface
  | +--rw ethernet [name]
  | | +--rw lldp:lldp
  | | | +--rw lldp:dcbx-version?    enumeration
  | | | +--rw lldp:disable?        empty
  | | | +--rw lldp:iscsi-priority?  uint32
  | | | +--rw lldp:profile?         string
  | +--rw ethernet [name]
  | | +--rw lldp:lldp
  | | | +--rw lldp:dcbx-version?    enumeration
  | | | +--rw lldp:disable?        empty
  | | | +--rw lldp:iscsi-priority?  uint32
  | | | +--rw lldp:profile?         string
  | +--rw ethernet [name]
  | | +--rw lldp:lldp
  | | | +--rw lldp:dcbx-version?    enumeration
  | | | +--rw lldp:disable?        empty
  | | | +--rw lldp:iscsi-priority?  uint32
  | | | +--rw lldp:profile?         string
  | +--rw ethernet [name]
  | | +--rw lldp:lldp
  | | | +--rw lldp:cee
  | | | | +--rw lldp:lldp-cee-on-off?  enumeration /*drop-node-name*/
  | | | +--rw lldp:dcbx-version?    enumeration
  | | | +--rw lldp:disable?        empty
  | | | +--rw lldp:iscsi-priority?  uint32
  | | | +--rw lldp:profile?         string
  +--rw protocol
  | +--rw lldp:lldp
  | | +--rw lldp:description?       string
  | | +--rw lldp:hello?             uint32
  | | +--rw lldp:mode?              enumeration
  | | +--rw lldp:multiplier?        uint32
  | | +--rw lldp:advertise
  | | | +--rw lldp:dcbx-fcoe-app-tlv?    empty
  | | | +--rw lldp:dcbx-fcoe-logical-link-tlv?  empty
  | | | +--rw lldp:dcbx-iscsi-app-tlv?    empty
  | | | +--rw lldp:dcbx-tlv?             empty
  | | | +--rw lldp:dot1-tlv?             empty
  | | | +--rw lldp:dot3-tlv?             empty
  | | | +--rw lldp:optional-tlv
  | | | | +--rw lldp:management-address?    empty
  | | | | +--rw lldp:port-description?      empty
  | | | | +--rw lldp:system-capabilities?  empty
  | | | | +--rw lldp:adv-tlv-system-description?  empty /*alt-name:system-
description*/
  | | | | +--rw lldp:adv-tlv-system-name?    empty /*alt-name:system-name*/
  | | +--rw lldp:system-name?         string
  | | +--rw lldp:system-description?  string

```

```

| | +--rw lldp:iscsi-priority?      uint32
| | +--rw lldp:disable?           empty
| | +--rw lldp:profile [profile-name]
| |   +--rw lldp:profile-name      string
| |   +--rw lldp:description?     string
| |   +--rw lldp:hello?           uint32
| |   +--rw lldp:mode?            enumeration
| |   +--rw lldp:multipplier?     uint32
| |   +--rw lldp:advertise
| |     +--rw lldp:dcbx-fcoe-app-tlv?      empty
| |     +--rw lldp:dcbx-fcoe-logical-link-tlv?  empty
| |     +--rw lldp:dcbx-iscsi-app-tlv?      empty
| |     +--rw lldp:dcbx-tlv?                empty
| |     +--rw lldp:dot1-tlv?                empty
| |     +--rw lldp:dot3-tlv?                empty
| |     +--rw lldp:optional-tlv
| |       +--rw lldp:management-address?      empty
| |       +--rw lldp:port-description?        empty
| |       +--rw lldp:system-capabilities?     empty
| |       +--rw lldp:adv-tlv-system-description?  empty /*alt-name:system-
description*/
| |     +--rw lldp:adv-tlv-system-name?      empty /*alt-name:system-name*/

```

brocade-lldp-ext

RPCs

```

rpcs:
  +---x get-lldp-neighbor-detail
    +---w input
      | +---w (request-type)?
      |   +---: (get-request)
      |     | +---w interface-type?      enumeration
      |     | +---w interface-name?    union
      |   +---: (get-next-request)
      |     +---w last-rcvd-ifindex?  uint32
    +---ro output
      +---ro lldp-neighbor-detail* [local-interface-name remote-interface-name]
        | +---ro local-interface-name      string
        | +---ro local-interface-mac?     interface:mac-address-type
        | +---ro local-interface-ifindex?  uint64
        | +---ro remote-interface-name     string
        | +---ro remote-interface-mac?     interface:mac-address-type
        | +---ro remote-management-address? inet:ip-address
        | +---ro remote-unnum-interface-mac? interface:mac-address-type
        | +---ro remote-unnum-ip-address?  inet:ip-address
        | +---ro remote-port-description?  string
        | +---ro remote-chassis-id?       string
        | +---ro remote-system-name?      string
        | +---ro remote-system-description? string
        | +---ro dead-interval?           uint64
        | +---ro remaining-life?          uint64
        | +---ro lldp-pdu-transmitted?     yang:counter64
        | +---ro lldp-pdu-received?        yang:counter64
        | +---ro bgp-remote-as-number?    uint32
        | +---ro bgp-remote-peer-address?  inet:ip-address
        | +---ro bgp-remote-group-id?     uint32
        | +---ro bgp-remote-id?           inet:ip-address
        | +---ro bgp-remote-session-cap?  uint64
        | +---ro bgp-remote-session-key-chain? string
      +---ro has-more?                    boolean

```

brocade-mac-access-list

A custom RPC enables retrieval of the configured ingress and egress policies per interface.

Top-level container

```

module: brocade-mac-access-list
  +--rw mac
    +--rw access-list
      +--rw standard* [name]
        | +--rw name                mac-acl-name
        | +--rw hide-mac-acl-std
        |   +--rw seq* [seq-id]
        |     +--rw seq-id          uint64
        |     +--rw action          enumeration
        |     +--rw source          union
        |     +--rw srchost         mac-address-type
        |     +--rw src-mac-addr-mask  src-dst-mac-address-mask-type
        |     +--rw count?         empty
        |     +--rw count-sync?     empty
        |     +--rw log?           empty
        |     +--rw copy-sflow?    empty
      +--rw extended* [name]
        +--rw name                mac-acl-name
        +--rw hide-mac-acl-ext
          +--rw seq* [seq-id]
            +--rw seq-id          uint64
            +--rw action          enumeration
            +--rw source          union
            +--rw srchost         mac-address-type
            +--rw src-mac-addr-mask  src-dst-mac-address-mask-type
            +--rw dst             union
            +--rw dsthost         mac-address-type
            +--rw dst-mac-addr-mask  src-dst-mac-address-mask-type
            +--rw vlan-tag-format?  enumeration
            +--rw vlan?           string
            +--rw vlan-id-mask?   vlan-format-vlan-id-mask
            +--rw outer-vlan?     string
            +--rw outer-vlan-id-mask?  vlan-format-vlan-id-mask
            +--rw inner-vlan?     string
            +--rw inner-vlan-id-mask?  vlan-format-vlan-id-mask
            +--rw ethertype?     union
            +--rw arp-guard?     empty
            +--rw pcp?           pcp-value
            +--rw pcp-force?     pcp-remark
            +--rw drop-precedence-force?  drop-prec-uint
            +--rw known-unicast-only?  empty
            +--rw unknown-unicast-only?  empty
            +--rw count?         empty
            +--rw count-sync?     empty
            +--rw log?           empty
            +--rw mirror?       empty
            +--rw copy-sflow?    empty
  
```

RPCs

Return the ingress and egress policies for an interface:

```

rpcs:
  +---x get-mac-acl-for-intf
  
```

```
+---w input
| +---w interface-type?  enumeration
| +---w interface-name?  union
| +---w direction?      enumeration
+--ro output
  +--ro interface* [interface-type interface-name]
    +--ro interface-type  enumeration
    +--ro interface-name  union
    +--ro ingress-policy* []
      | +--ro policy-name?  string
    +--ro egress-policy* []
      +--ro policy-name?  string
```

brocade-mac-address-table

Top-level container

```

module: brocade-mac-address-table
  +--rw mac-address-table
    +--rw static
      | +--rw static-mac* [mac-address forward interface-type interface-name vlan vlanid]
      | | +--rw mac-address      mac-access-list:mac-address-type
      | | +--rw forward          enumeration
      | | +--rw interface-type   enumeration
      | | +--rw interface-name   string
      | | +--rw vlan             enumeration
      | | +--rw vlanid           interface:vlan-type
      | +--rw static-ac-lif* [mac-address-lif forward-lif logical-interface interface-
type-lif logical-interface-name]
      | +--rw mac-address-lif      mac-access-list:mac-address-type
      | +--rw forward-lif         enumeration
      | +--rw logical-interface   enumeration
      | +--rw interface-type-lif  enumeration
      | +--rw logical-interface-name logical-ifname
    +--rw aging-time
      | +--rw legacy-time-out?    uint32
    +--rw mac-move
      | +--rw mac-move-detect-enable? empty
      | +--rw mac-move-limit?     uint32
      | +--rw mac-move-action?    enumeration
      | +--rw auto-recovery
      | +--rw auto-recovery-enable? empty
      | +--rw auto-recovery-time?  uint32
    +--rw consistency-check
      +--rw mac-consistency-check-suppress? empty
      +--rw mac-consistency-check-interval? uint32
  
```

RPCs

```

rpcs:
  +---x get-mac-address-table
    +---w input
      | +---w (request-type)?
      | +---:(get-request)
      | | +---w mac-address?          yang:mac-address
      | +---:(get-interface-based-request)
      | | +---w forwarding-interface
      | | | +---w interface-type?    enumeration
      | | | +---w interface-name?    union
      | | +---w mac-type?            enumeration
      | +---:(get-next-request)
      | +---w last-mac-address-details
      | | +---w last-mac-address?    yang:mac-address
      | | +---w last-vlan-id?        interface:vlan-type
      | | +---w last-mac-type?       enumeration
      | +---w forwarding-interface-type? enumeration
      | +---w forwarding-interface-name? union
      | +---w mac-address-type?      enumeration
    +--ro output
      +--ro mac-address-table* [vlanid mac-address]
      | +--ro vlanid                interface:vlan-type
      | +--ro mac-address            yang:mac-address
      | +--ro mac-type?              enumeration
  
```

```
| +--ro mac-state?          enumeration
| +--ro forwarding-interface* []
|   +--ro interface-type?  enumeration
|   +--ro interface-name?  union
+--ro has-more?            boolean
```

brocade-mc-hms-operational

Top-level container

```

module: brocade-mc-hms-operational
  +--ro igmp-snooping-state
  | +--ro multicast-ssm-mapping
  | | +--ro ssm-maps* [prefix-list-name]
  | |   +--ro prefix-list-name  string
  | |   +--ro src-ip-addr?      inet:ipv4-address
  | +--ro igmp-statistics
  | | +--ro igmp-statistics* [interface-name]
  | |   +--ro interface-name    string
  | |   +--ro query-edge-recvd? uint32
  | |   +--ro query-edge-sent?  uint32
  | |   +--ro query-edge-rx-errors? uint32
  | |   +--ro v1-report-edge-recvd? uint32
  | |   +--ro v1-report-edge-sent?  uint32
  | |   +--ro v1-report-edge-rx-errors? uint32
  | |   +--ro v2-report-edge-recvd? uint32
  | |   +--ro v2-report-edge-sent?  uint32
  | |   +--ro v2-report-edge-rx-errors? uint32
  | |   +--ro v3-report-edge-recvd? uint32
  | |   +--ro v3-report-edge-sent?  uint32
  | |   +--ro v3-report-edge-rx-errors? uint32
  | |   +--ro grp-leave-edge-recvd? uint32
  | |   +--ro grp-leave-edge-sent?  uint32
  | |   +--ro grp-leave-edge-rx-errors? uint32
  | |   +--ro pim-hello-edge-recvd? uint32
  | |   +--ro pim-hello-edge-sent?  uint32
  | |   +--ro pim-hello-edge-rx-errors? uint32
  | |   +--ro error-unknown-types?  uint32
  | |   +--ro error-bad-length?     uint32
  | |   +--ro error-bad-checksum?   uint32
  | +--ro debug-igmp
  | | +--ro enable-any?         uint8
  | | +--ro error?              uint8
  | | +--ro events?             uint8
  | | +--ro group?              uint8
  | | +--ro packets?            uint8
  | | +--ro grp-addr?           inet:ipv4-address
  | | +--ro protocol?           uint8
  | | +--ro query?              uint8
  | | +--ro v1-report?           uint8
  | | +--ro direction?          string
  | | +--ro phy-port-name?      string
  | | +--ro io-port-name?       string
  | +--ro igmp-snooping-vlans* [vlan-id]
  | | +--ro vlan-id              uint32
  | | +--ro igmp-snooping-vlans* [vlan-id]
  | |   +--ro vlan-id            uint32
  | |   +--ro multicast-router-ports? string
  | |   +--ro is-querier?        uint8
  | |   +--ro igmp-operation-mode? uint32
  | |   +--ro fast-leave?        uint8
  | |   +--ro qmrt?              uint32
  | |   +--ro lmqi?              uint32
  | |   +--ro qi?                uint32
  | |   +--ro version?           uint8
  | |   +--ro num-of-mcast-grps?  uint32
  | |   +--ro vlan-groups* [grp-ip-addr]
  | |     +--ro grp-ip-addr      inet:ipv4-address

```

```

| |         +--ro member-ports?  string
| +--ro igmp-snooping-mrouters* [vlan-id]
| |   +--ro vlan-id                uint32
| |   +--ro igmp-snooping-mrouters* [vlan-id]
| |     +--ro vlan-id                uint32
| |     +--ro interface-name?       string
| |     +--ro expiry-time?          int32
| +--ro igmp-l3-interfaces* [interface-name]
| |   +--ro interface-name          string
| |   +--ro igmp-l3-interfaces* [interface-name igmp-querier]
| |     +--ro interface-name        string
| |     +--ro is-igmp-enabled?      uint8
| |     +--ro query-interval?       uint32
| |     +--ro other-querier-interval? uint32
| |     +--ro query-reponse-time?   uint32
| |     +--ro last-member-query-interval? uint32
| |     +--ro immediate-leave?      uint8
| |     +--ro igmp-querier          inet:ipv4-address
| |     +--ro is-igmp-querier-local? uint8
| |     +--ro igmp-version?         uint8
| +--ro igmp-groups* [group-addr interface-name]
| |   +--ro group-addr              inet:ipv4-address
| |   +--ro interface-name          string
| |   +--ro igmp-groups* [group-addr interface-name]
| |     +--ro group-addr            inet:ipv4-address
| |     +--ro interface-name        string
| |     +--ro uptime?               string
| |     +--ro expiry-time?          string
| |     +--ro last-reporter?        inet:ipv4-address
| |     +--ro filter-mode?          uint8
| |     +--ro member-ship?          string
| |     +--ro igmpv3-sources* [interface-name]
| |       +--ro interface-name      string
| |       +--ro incl-src-ip* [ipv4-addr]
| |         | +--ro ipv4-addr        inet:ipv4-address
| |         +--ro excl-src-ip* [ipv4-addr]
| |           +--ro ipv4-addr        inet:ipv4-address
| +--ro igmp-mct-groups* [cluster-id client-id]
| |   +--ro cluster-id              uint32
| |   +--ro client-id               uint32
| |   +--ro igmp-entry* [grp-addr src-addr interface-name member-intf]
| |     +--ro grp-addr               string
| |     +--ro src-addr               string
| |     +--ro interface-name         string
| |     +--ro member-intf            string
| |     +--ro member-type?           string
| |     +--ro filter-mode?           string
| |     +--ro mcast-df?              string
| |     +--ro peer-addr?             string
| +--ro pim-snp-groups* [vlan-id type]
| |   +--ro vlan-id                  uint32
| |   +--ro type                      string
| |   +--ro pim-snp-groups* [group-addr vlan-id]
| |     +--ro group-addr              inet:ipv4-address
| |     +--ro vlan-id                  uint32
| |     +--ro uptime?                  string
| |     +--ro expiry-time?             string
| |     +--ro last-reporter?           inet:ipv4-address
| |     +--ro pim-snp-sources* [src-addr]
| |       | +--ro src-addr              inet:ipv4-address
| |       | +--ro src-flags?            uint8
| |       | +--ro src-uptime?           string
| |       | +--ro pim-snp-sg-member-ports* [interface-name]
| |       +--ro interface-name        string

```

```

| | | +--ro mbr-flags?      uint8
| | | +--ro flag-string?   string
| | | +--ro mbr-uptime?    string
| |   +--ro pim-snp-wg-member-ports* [interface-name]
| |     +--ro interface-name    string
| |     +--ro mbr-flags?      uint8
| |     +--ro flag-string?    string
| |     +--ro mbr-uptime?    string
| +--ro igmp-multicast-snooping-vlans* [vlan-id]
| | +--ro vlan-id          uint32
| | +--ro igmp-multicast-snooping-vlans* [vlan-id]
| |   +--ro vlan-id        uint32
| |   +--ro pim-sn-status?  uint8
| |   +--ro igmp-sn-status? uint8
| |   +--ro igmp-version?   uint8
| +--ro igmp-interface-statistics
| | +--ro interface-name?    string
| | +--ro query-edge-recvd?  uint32
| | +--ro query-edge-sent?   uint32
| | +--ro query-edge-rx-errors? uint32
| | +--ro v1-report-edge-recvd? uint32
| | +--ro v1-report-edge-sent? uint32
| | +--ro v1-report-edge-rx-errors? uint32
| | +--ro v2-report-edge-recvd? uint32
| | +--ro v2-report-edge-sent? uint32
| | +--ro v2-report-edge-rx-errors? uint32
| | +--ro v3-report-edge-recvd? uint32
| | +--ro v3-report-edge-sent? uint32
| | +--ro v3-report-edge-rx-errors? uint32
| | +--ro grp-leave-edge-recvd? uint32
| | +--ro grp-leave-edge-sent?  uint32
| | +--ro grp-leave-edge-rx-errors? uint32
| | +--ro pim-hello-edge-recvd?  uint32
| | +--ro pim-hello-edge-sent?   uint32
| | +--ro pim-hello-edge-rx-errors? uint32
| | +--ro error-unknown-types?   uint32
| | +--ro error-bad-length?       uint32
| | +--ro error-bad-checksum?     uint32
+--ro igmp-multicast-snooping-bridge-domains-state* [bd-id]
| +--ro bd-id          uint32
| +--ro igmp-multicast-snooping-bridge-domains* [bd-id]
| | +--ro bd-id        uint32
| | +--ro pim-sn-status?  uint8
| | +--ro igmp-sn-status? uint8
| | +--ro igmp-version?   uint8
+--ro igmp-snooping-bridge-domain-mrouters-state* [bd-id]
| +--ro bd-id          uint32
| +--ro igmp-snooping-bridge-domain-mrouters* [bd-id]
| | +--ro bd-id        uint32
| | +--ro interface-name? string
| | +--ro expiry-time?   int32
+--ro igmp-snooping-bridge-domains-state* [bd-id]
  +--ro bd-id          uint32
  +--ro igmp-snooping-bridge-domains* [bd-id]
    +--ro bd-id        uint32
    +--ro multicast-router-ports? string
    +--ro is-querier?   uint8
    +--ro igmp-operation-mode? uint32
    +--ro fast-leave?   uint8
    +--ro qmrt?         uint32
    +--ro lmqi?         uint32
    +--ro qi?           uint32
    +--ro version?      uint8
    +--ro num-of-mcast-grps? uint32

```

```
+--ro vlan-groups* [grp-ip-addr]
  +--ro grp-ip-addr    inet:ipv4-address
  +--ro member-ports? string
```

brocade-mct

Top-level container

```
module: brocade-mct
  +--rw lvteq
  | +--rw broadcast-local-bias?  empty
  +--rw cluster* [cluster-name]
    +--rw cluster-name          common-def:name-string64
    +--rw peer?                 inet:ipv4-address
    +--rw peer-interface
    | +--rw peer-if-type?       enumeration
    | +--rw peer-if-name?       peer-ifname
    +--rw client-pw?            empty
    +--rw bringup-delay?        uint32
    +--rw peer-keepalive!
    | +--rw destination
    | | +--rw destination-ip?    inet:ipv4-address
    | | +--rw source-interface?  enumeration
    | | +--rw if-name?           peer-ifname
    | +--rw auto?               empty
    | +--rw role?               enumeration
    +--rw member
    | +--rw vlan
    | | +--rw all?               empty
    | | +--rw none?             empty
    | | +--rw add?               interface:ui32-vlan-20k-range
    | | +--rw except?           interface:ui32-vlan-20k-range
    | | +--rw remove?           interface:ui32-vlan-20k-range
    | +--rw bridge-domain
    | +--rw bd_all?             empty
    | +--rw bd_none?           empty
    | +--rw bd_add?             bd:ui32-bridge-domain-20k-range
    | +--rw bd_except?         bd:ui32-bridge-domain-20k-range
    | +--rw bd_remove?         bd:ui32-bridge-domain-20k-range
    +--rw shutdown
    +--rw shutdown_all?        empty
    +--rw clients?             empty
```

brocade-mld-snooping

Top-level container

```
+--rw mld-snooping
  +--rw ipv6
    +--rw pim
      | +--rw snooping
      |   +--rw pimv6-enable?  empty
    +--rw mld
      +--rw ssm-map
        +--rw ssmmap-enable?    empty
        +--rw mlds-prefix-list* [mlds-prefix-list-name mlds-prefix-src-addr]
          +--rw mlds-prefix-list-name  ipv6-prefix-name-t
          +--rw mlds-prefix-src-addr   inet:ipv6-address
```

brocade-mpls

Top-level container

```

module: brocade-mpls
  +--rw mpls-config
    +--rw router
      +--rw mpls!
        +--rw mpls-cmds-holder
          +--rw lsp-xc-traps
            | +--rw lsp-xc-traps-enable?  empty
          +--rw policy!
            | +--rw policy-admin-group* [admin-group-name admin-group-number]
            | | +--rw admin-group-name      string
            | | +--rw admin-group-number   uint32
            | +--rw backup-retry-time?     uint32
            | +--rw cspf-computation-mode
            | | +--rw use-bypass-liberal?   empty
            | | +--rw use-bypass-metric?   empty
            | | +--rw ignore-overload-bit? empty
            | | +--rw cspf-metric-type?    cspf-computation-mode
            | +--rw cspf-group-computation
            | | +--rw add-penalty?  empty
            | +--rw cspf-interface-constraint?  empty
            | +--rw handle-isis-neighbor-down?  empty
            | +--rw handle-ospf-neighbor-down?  empty
            | +--rw retry-time?                 uint32
            | +--rw retry-limit?                uint32
            | +--rw rapid-retry?                enable-disable
            | +--rw rsvp-periodic-flooding-time? uint32
            | +--rw rsvp-flooding-threshold
            | | +--rw rsvp-flooding-threshold-down*  uint32
            | | +--rw rsvp-flooding-threshold-up*   uint32
            | +--rw soft-preemption
            | | +--rw cleanup-timer?  uint32
            | +--rw global-auto-bandwidth!
            | | +--rw autobw-sample-interval?  uint32
            | | +--rw autobw-num-sample-record? uint32
            | +--rw implicit-commit
            | | +--rw (implicit-commit-options)?
            | |   +--:(implicit-commit-case-all)
            | |   | +--rw implicit-commit-all?  empty
            | |   +--:(implicit-commit-case-selective)
            | |   +--rw implicit-commit-autobw-adjustment?  empty
            | |   +--rw implicit-commit-lsp-reoptimize-timer? empty
            | +--rw traffic-engineering
            | | +--rw isis-set-level?  enumeration
            | | +--rw traffic-eng-ospf
            | |   +--rw area
            | |     +--rw (ch-ospf-area-type)?
            | |     +--:(ca-area-type-ip-address)
            | |     | +--rw ospf-area-as-ip-address?  inet:ipv4-address
            | |     +--:(ca-area-type-decimal)
            | |     | +--rw ospf-area-as-decimal?    uint32
            | |     +--:(ca-area-all)
            | |     +--rw ospf-area-all?            empty
            | +--rw qos-ttl-mode?  enumeration
            | +--rw ingress-tunnel-accounting?  empty
            | +--rw transit-session-accounting? empty
            | +--rw switchover-activation-delay? uint32
            | +--rw switchover-hold-tear-delay? uint32
          +--rw rsvp!

```

```

| +--rw refresh-interval?                uint32
| +--rw refresh-multiple?                uint32
| +--rw g-refresh-reduction
| | +--rw summary-refresh?              empty
| | +--rw bundle-message!
| |   +--rw bundle-send-delay?          uint32
| +--rw g-reliable-messaging!
| | +--rw rapid-retrans-decay?          uint32
| | +--rw rapid-retrans-interval?      uint32
| | +--rw rapid-retry-limit?           uint32
| +--rw global-rsvp-hello!
| | +--rw global-rsvp-hello-interval?   uint32
| | +--rw global-rsvp-hello-tolerance?  uint32
| +--rw global-rsvp-hello-acknowledgements? empty
| +--rw g-rsvp-backup-bw-guarantee?     empty
| +--rw delay-resv-send?                 empty
+--rw ldp!
| +--rw ldp-holder
| | +--rw ldp-ecmp?                      uint32
| | +--rw ldp-hello-interval-basic?     uint32
| | +--rw ldp-hello-interval-target?    uint32
| | +--rw ldp-hello-timeout-basic?      uint32
| | +--rw ldp-hello-timeout-target?     uint32
| | +--rw ldp-ka-int?                   uint32
| | +--rw ldp-ka-int-cnt?               uint32
| | +--rw ldp-ka-timeout?               uint32
| | +--rw ldp-fec-filter-in?            string
| | +--rw ldp-fec-filter-out?           string
| | +--rw ldp-advertise-label?          string
| | +--rw ldp-fec-l28-for-auto-discovered? empty
| | +--rw ldp-lsr-id?                   inet:ipv4-address
| | +--rw ldp-session* [ldp-session-ip]
| | | +--rw ldp-session-ip               inet:ipv4-address
| | | +--rw ldp-session-fec-filter-out?  string
| | | +--rw ldp-session-auth-key?        string
| | +--rw ldp-targeted-peer* [ldp-targeted-peer-ip]
| | | +--rw ldp-targeted-peer-ip         inet:ipv4-address
| | +--rw ldp-rcv-label-silence-time?   uint32
| | +--rw ldp-gr!
| | | +--rw ldp-gr-helper-only?          empty
| | | +--rw ldp-gr-max-neighbor-reconnect-time? uint32
| | | +--rw ldp-gr-max-neighbor-recovery-time?  uint32
| | | +--rw ldp-gr-reconnect-time?          uint32
| | | +--rw ldp-gr-recovery-time?          uint32
| | +--rw ldp-eol!
| | | +--rw ldp-eol-tx-silence?          uint32
| | | +--rw ldp-eol-notification?        uint32
| | +--rw ldp-tunnel-metric?            uint32
| | +--rw ldp-lw-delay?                  uint32
+--rw dynamic-bypass!
| +--rw mpls-dynamic-bypass-sub-cmds
| | +--rw dynamic-bypass-max-bypasses?   uint32
| | +--rw dynamic-bypass-max-bypasses-per-mp? uint32
| | +--rw dynamic-bypass-enable-all-interfaces? empty
| | +--rw dynamic-bypass-reoptimize-timer? uint32
| | +--rw dynamic-bypass-disable?        empty
+--rw mpls-interface* [interface-type interface-name]
| +--rw interface-type                   enumeration
| +--rw interface-name                   interface-type
| +--rw mpls-interface-ldp-enable?       empty
| +--rw ldp-params
| | +--rw ldp-param-cmds
| | | +--rw hello-interval?              uint32
| | | +--rw hello-timeout?               uint32

```

```

|   +--rw rsvp
|   |   +--rw rsvp-reservable-bandwidth
|   |   |   +--rw (rsvp-reservable-bandwidth-options)?
|   |   |   |   +--:(reservable-bandwidth-case-exact)
|   |   |   |   |   +--rw reservable-bandwidth?          uint32
|   |   |   |   |   +--:(reservable-bandwidth-case-percentage)
|   |   |   |   |   +--rw reservable-bandwidth-percentage?  uint32
|   |   +--rw rsvp-authentication
|   |   |   +--rw rsvp-authentication-key?  string
|   +--rw interface-rsvp-hello!
|   |   +--rw rsvp-hello-interval?  uint32
|   |   +--rw rsvp-hello-tolerance?  uint32
|   +--rw rsvp-hello-disable?        empty
|   +--rw rsvp-te-metric?             uint32
|   +--rw rsvp-intf-flooding-threshold
|   |   +--rw rsvp-intf-flooding-threshold-down*  uint32
|   |   +--rw rsvp-intf-flooding-threshold-up*   uint32
|   +--rw interface-rsvp-admin-group*  string
|   +--rw interface-refresh-reduction
|   |   +--rw summary-refresh?            empty
|   |   +--rw bundle-message!
|   |   |   +--rw bundle-send-delay?  uint32
|   |   |   +--rw rsvp-refresh-reduction-disable?  empty
|   +--rw interface-reliable-messaging!
|   |   +--rw rapid-retrans-decay?        uint32
|   |   +--rw rapid-retrans-interval?    uint32
|   |   +--rw rapid-retry-limit?         uint32
|   |   +--rw rsvp-reliable-messaging-disable?  empty
+--rw interface-dynamic-bypass!
|   +--rw mpls-interface-dynamic-bypass-sub-cmds
|   |   +--rw interface-dynamic-bypass-disable?        empty
|   |   +--rw interface-dynamic-bypass-max-bypasses?   uint32
|   |   +--rw interface-dynamic-bypass-max-bypasses-per-mp?  uint32
|   |   +--rw interface-dynamic-bypass-reoptimize-timer?  uint32
|   |   +--rw interface-dynamic-bypass-cos?             uint32
|   |   +--rw interface-dynamic-bypass-from?            inet:ip-
address
|   |   +--rw interface-dynamic-bypass-adaptive?        enable-
disable
|   |   +--rw interface-dynamic-bypass-record-route?    enable-
disable
|   |   +--rw interface-dynamic-bypass-hop-limit?      uint8
|   |   +--rw interface-dynamic-bypass-exclude-any*    string
|   |   +--rw interface-dynamic-bypass-include-any*    string
|   |   +--rw interface-dynamic-bypass-include-all*   string
|   |   +--rw interface-dynamic-bypass-primary-path?   string
|   |   +--rw interface-dynamic-bypass-name-prefix?    string
|   |   +--rw interface-dynamic-bypass-tie-breaking?   tie-
breaking
|   |   +--rw interface-dynamic-bypass-cspf-computation-mode?  cspf-
computation-mode
|   |   +--rw priority
|   |   |   +--rw interface-dynamic-bypass-setup-priority?  uint32
|   |   |   +--rw interface-dynamic-bypass-holding-priority?  uint32
|   |   +--rw traffic-eng
|   |   |   +--rw interface-dynamic-bypass-traffic-eng-max-burst?  uint32
|   |   |   +--rw interface-dynamic-bypass-traffic-eng-max-rate?  uint32
|   |   |   +--rw interface-dynamic-bypass-traffic-eng-mean-rate?  uint32
+--rw autobw-template* [autobw-template-name]
|   +--rw autobw-template-name  string
|   +--rw adjustment-interval?  uint32
|   +--rw adjustment-threshold
|   |   +--rw (threshold-options)?
|   |   |   +--:(threshold-case-percentage)

```

```

| | | +--rw threshold-percentage? uint32
| | +--:(threshold-case-table)
| | +--rw use-threshold-table? empty
| +--rw min-bandwidth? uint32
| +--rw max-bandwidth? uint32
| +--rw overflow-limit? uint32
| +--rw underflow-limit? uint32
| +--rw mode? autobw-mode
| +--rw sample-recording? enable-disable
+--rw autobw-threshold-table!
| +--rw autobw-threshold-table-bandwidth* [bandwidth-value]
| | +--rw bandwidth-value uint32
| | +--rw autobw-threshold-table-threshold? uint32
| +--rw max-bw-threshold
| +--rw (max-bw-threshold-options)?
| | +--:(max-bw-threshold-case-absolute)
| | | +--rw max-bw-threshold-absolute? uint32
| | +--:(max-bw-threshold-case-percentage)
| | | +--rw max-bw-threshold-percentage? uint32
+--rw cspf-group* [cspf-group-name]
| +--rw cspf-group-name string
| +--rw cspf-group-ip* [cspf-group-ip-address]
| | +--rw cspf-group-ip-address inet:ipv4-address
| +--rw cspf-group-link* [cspf-group-link-from cspf-group-link-to]
| | +--rw cspf-group-link-from inet:ipv4-address
| | +--rw cspf-group-link-to inet:ipv4-address
| +--rw cspf-group-subnet* [cspf-group-subnet-ip]
| | +--rw cspf-group-subnet-ip inet:ipv4-prefix
| +--rw cspf-group-node* [cspf-group-node-ip]
| | +--rw cspf-group-node-ip inet:ipv4-address
| +--rw cspf-group-penalty-n
| | +--rw cspf-group-penalty? uint32
+--rw path* [path-name]
| +--rw path-name string
| +--rw path-hop* [path-hop-ip]
| | +--rw path-hop-ip inet:ipv4-address
| | +--rw path-hop-type? strict-loose-hop
| +--rw path-insert* [path-insert-ip]
| | +--rw path-insert-ip inet:ipv4-address
| | +--rw path-insert-type? strict-loose-hop
| | +--rw path-insert-before-hop-ip? inet:ipv4-address
+--rw bypass-lsp* [bypass-lsp-name]
| +--rw bypass-lsp-name string
| +--rw bypass-lsp-dest-address? inet:ipv4-address
| +--rw bypass-lsp-src-address? inet:ipv4-address
| +--rw bypass-lsp-tie-breaking? tie-breaking
| +--rw lsp-adaptive? empty
| +--rw lsp-reoptimize-timer? uint32
| +--rw lsp-commit? empty
| +--rw lsp-record? enable-disable
| +--rw lsp-cos? uint32
| +--rw lsp-hop-limit? uint16
| +--rw lsp-cspf-computation-mode? cspf-computation-mode
| +--rw lsp-traffic-engineering
| | +--rw lsp-te-mean-rate? uint32
| | +--rw lsp-te-max-rate? uint32
| | +--rw lsp-te-max-burst? uint32
| +--rw priority
| | +--rw lsp-setup-priority? uint32
| | +--rw lsp-hold-priority? uint32
| +--rw lsp-exclude-any* string
| +--rw lsp-include-any* string
| +--rw lsp-include-all* string
| +--rw exclude-interface* [bypass-exclude-interface-type bypass-exclude-

```

```

interface-name]
| | +--rw bypass-exclude-interface-type    mpls-interface-type
| | +--rw bypass-exclude-interface-name    interface-type
| +--rw bypass-lsp-primary-path?          string
| +--rw bypass-lsp-enable?                empty
+--rw lsp* [lsp-name]
| +--rw lsp-name                          string
| +--rw lsp-dest-address?                  inet:ipv4-address
| +--rw lsp-cspf?                          enable-disable
| +--rw lsp-ipmtu?                          uint32
| +--rw lsp-metric?                         uint32
| +--rw lsp-revert-timer?                  uint32
| +--rw lsp-tie-breaking?                  tie-breaking
| +--rw lsp-src-address?                    inet:ipv4-address
| +--rw lsp-primary-path?                  string
| +--rw lsp-adaptive?                       empty
| +--rw lsp-reoptimize-timer?              uint32
| +--rw lsp-commit?                         empty
| +--rw lsp-record?                         enable-disable
| +--rw lsp-cos?                            uint32
| +--rw lsp-hop-limit?                      uint16
| +--rw lsp-cspf-computation-mode?         cspf-computation-mode
| +--rw lsp-traffic-engineering
| | +--rw lsp-te-mean-rate?                uint32
| | +--rw lsp-te-max-rate?                 uint32
| | +--rw lsp-te-max-burst?                uint32
| +--rw priority
| | +--rw lsp-setup-priority?              uint32
| | +--rw lsp-hold-priority?              uint32
| +--rw lsp-exclude-any*                   string
| +--rw lsp-include-any*                   string
| +--rw lsp-include-all*                   string
| +--rw lsp-soft-preemption?               empty
| +--rw lsp-auto-bandwidth!
| | +--rw lsp-autobw-template?             -> ../../../../autobw-template/autobw-
template-name
| | +--rw adjustment-interval?             uint32
| | +--rw adjustment-threshold
| | | +--rw (threshold-options)?
| | | | +--:(threshold-case-percentage)
| | | | | +--rw threshold-percentage?      uint32
| | | | +--:(threshold-case-table)
| | | | | +--rw use-threshold-table?        empty
| | | +--rw min-bandwidth?                  uint32
| | | +--rw max-bandwidth?                  uint32
| | | +--rw overflow-limit?                 uint32
| | | +--rw underflow-limit?               uint32
| | | +--rw mode?                           autobw-mode
| | | +--rw sample-recording?              enable-disable
| +--rw lsp-frr!
| | +--rw lsp-frr-bandwidth
| | | +--rw (lsp-frr-bandwidth-options)?
| | | | +--:(lsp-frr-bandwidth-case-exact)
| | | | | +--rw lsp-frr-bandwidth?          uint32
| | | | +--:(lsp-frr-bandwidth-case-inherit)
| | | | | +--rw lsp-frr-bandwidth-inherit?  empty
| | | +--rw lsp-frr-exclude-any*            string
| | | +--rw lsp-frr-include-any*            string
| | | +--rw lsp-frr-include-all*           string
| | | +--rw lsp-frr-hop-limit?              uint8
| | | +--rw lsp-frr-facility-backup?        empty
| | | +--rw lsp-frr-link-protection?        empty
| | | +--rw lsp-frr-priority
| | | | +--rw lsp-frr-setup-priority?      uint32

```

```

| | | +--rw lsp-frr-hold-priority? uint32
| | +--rw lsp-frr-revertive
| |   +--rw lsp-frr-revertive-holdtime? uint8
| |   +--rw lsp-frr-revertive-mode-global? enable-disable
| +--rw secondary-path* [secpath-name]
| | +--rw secpath-name string
| | +--rw secpath-standby? empty
| | +--rw secpath-cspf? enable-disable
| | +--rw secpath-ipmtu? uint32
| | +--rw lsp-adaptive? empty
| | +--rw lsp-reoptimize-timer? uint32
| | +--rw lsp-commit? empty
| | +--rw lsp-record? enable-disable
| | +--rw lsp-cos? uint32
| | +--rw lsp-hop-limit? uint16
| | +--rw lsp-cspf-computation-mode? cspf-computation-mode
| | +--rw lsp-traffic-engineering
| | | +--rw lsp-te-mean-rate? uint32
| | | +--rw lsp-te-max-rate? uint32
| | | +--rw lsp-te-max-burst? uint32
| | +--rw priority
| | | +--rw lsp-setup-priority? uint32
| | | +--rw lsp-hold-priority? uint32
| | +--rw lsp-exclude-any* string
| | +--rw lsp-include-any* string
| | +--rw lsp-include-all* string
| | +--rw secpath-soft-preemption? empty
| | +--rw lsp-secpath-auto-bandwidth!
| |   +--rw lsp-secpath-autobw-template? -> ../../../../autobw-
template/autobw-template-name
| |   +--rw adjustment-interval? uint32
| |   +--rw adjustment-threshold
| |     | +--rw (threshold-options)?
| |     |   +--:(threshold-case-percentage)
| |     |   | +--rw threshold-percentage? uint32
| |     |   +--:(threshold-case-table)
| |     |   +--rw use-threshold-table? empty
| |   +--rw min-bandwidth? uint32
| |   +--rw max-bandwidth? uint32
| |   +--rw overflow-limit? uint32
| |   +--rw underflow-limit? uint32
| |   +--rw mode? autobw-mode
| |   +--rw sample-recording? enable-disable
| +--rw lsp-shortcuts
| | +--rw lsp-ospf!
| |   +--rw lsp-ignore-lsp-metric? empty
| +--rw lsp-select-path
| | +--rw lsp-select-path-mode? enumeration
| | +--rw (choice-lsp-select-path-type)?
| |   +--:(case-lsp-select-path-type-primary)
| |   | +--rw lsp-select-path-primary? empty
| |   +--:(case-lsp-select-path-type-secondary)
| |     +--rw lsp-select-path-secondary-name? string
| +--rw lsp-enable? empty
+--rw segment-routing!
  +--rw sr-holder
    +--rw srgb* [lower-bound upper-bound]
    | +--rw lower-bound uint32
    | +--rw upper-bound uint32
    +--rw tunnel-metric? uint32
    +--rw load-sharing? uint32

rpcs:
  +---x clear-mpls-lsp
  | +---w input

```

```

|     +---w mpls-clear-lsp-name-in?  string
+---x clear-mpls-rsvp-statistics
|   +--ro output
|     +---ro clear-mpls-rsvp-statistics-out
|       +--ro clear-mpls-rsvp-statistics-ret-msg?  string
+---x clear-mpls-rsvp-statistics-neighbor
|   +---w input
|     | +---w clear-mpls-rsvp-statistics-neighbor-address?  mpls-ipv4-address
|     | +---w clear-mpls-rsvp-statistics-neighbor-all?      boolean
|   +--ro output
|     +--ro clear-mpls-rsvp-statistics-neighbor-out
|       +--ro clear-mpls-rsvp-statistics-neighbor-ret-msg?  string
+---x clear-mpls-ldp-statistics
|   +--ro output
|     +---ro clear-mpls-ldp-statistics-out
|       +--ro clear-mpls-ldp-statistics-ret-msg?  string
+---x clear-mpls-statistics
|   +---w input
|     | +---w mpls-clear-statistics-type?  uint8
|     | +---w protocol?                    string
|     | +---w fec-prefix?                  mpls-ipv4-prefix
|     | +---w prefix-address?             mpls-ipv4-address
|     | +---w prefix-mask?                mpls-ipv4-subnet-mask
|     | +---w label?                      uint8
|     | +---w in-label?                    uint32
|     | +---w tunnel-id-present?          uint8
|     | +---w tunnel-id?                  uint32
|     | +---w bypass?                     uint8
|     | +---w tunnel-name?                string
|     | +---w tunnel-dest?                mpls-ipv4-address
|   +--ro output
|     +--ro mpls-clear-statistics-ret-msg?  string
+---x clear-mpls-ldp-neighbor
|   +---w input
|     | +---w mpls-clear-all-ldp-sessions?  boolean
|     | +---w mpls-clear-one-ldp-sessions?  inet:ipv4-address
|   +--ro output
|     +--ro clear-mpls-ldp-neighbor-out
|       +--ro clear-mpls-ldp-neighbor-ret-msg?  string
module: brocade-multicast-operational
+--ro igmp-show-debug-state
|   +--ro enable-any?      boolean
|   +--ro error?          boolean
|   +--ro events?         boolean
|   +--ro group?          boolean

```

brocade-mpls-operational

Top-level container

```

module: brocade-mpls-operational
  +--ro mpls-state
    | +--ro paths-configured?          uint32
    | +--ro lsps-configured?          uint32
    | +--ro lsps-enabled?             uint32
    | +--ro lsps-operational?        uint32
    | +--ro detour-lsps-up?           uint32
    | +--ro backup-lsps-up?          uint32
    | +--ro bypass-lsps?             uint32
    | +--ro bypass-lsps-up?          uint32
    | +--ro bypass-lsps-enabled?     uint32
    | +--ro ldp-lsps-operational?    uint32
    | +--ro isis-link-fecs?          uint32
    | +--ro isis-prefix-fecs?       uint32
    | +--ro ospf-link-fecs?          uint32
    | +--ro ospf-prefix-fecs?       uint32
    | +--ro transit-lsps-configured?  uint32
    | +--ro transit-lsps-enabled?    uint32
    | +--ro transit-lsps-operational? uint32
    | +--ro cspf-groups-configured?  uint32
    | +--ro tunnels-supported?        uint32
    | +--ro tunnels-allocated?        uint32
    | +--ro cross-connects-supported? uint32
    | +--ro cross-connects-allocated? uint32
    | +--ro auto-bw-templates-supported? uint32
    | +--ro auto-bw-templates-configured? uint32
    | +--ro times-enabled?           uint32
    | +--ro ldp
      | | +--ro ldp-initialized?      boolean
      | | +--ro lsr-id?               inet:ipv4-address
      | | +--ro lsr-id-configured?    boolean
      | | +--ro loopback?             uint8
      | | +--ro hello-interval-link?  uint32
      | | +--ro hello-interval-target? uint32
      | | +--ro hold-time-sent-link?  uint32
      | | +--ro hold-time-sent-target? uint32
      | | +--ro ka-interval?          uint32
      | | +--ro ka-multiple?          uint32
      | | +--ro ka-timeout?           uint32
      | | +--ro ka-timeout-default?   boolean
      | | +--ro load-sharing?         uint8
      | | +--ro advertise-fecs-for-prefix-list? string
      | | +--ro advertise-fecs-for-prefix-list-exists? boolean
      | | +--ro inbound-fecs-filtering-prefix-list? string
      | | +--ro inbound-fecs-filtering-prefix-list-exists? boolean
      | | +--ro outbound-fecs-filtering-prefix-list? string
      | | +--ro outbound-fecs-filtering-prefix-list-exists? boolean
      | | +--ro tunnel-metric?        uint16
      | | +--ro fec-128-used-for-auto-disc-current? boolean
      | | +--ro fec-128-used-for-auto-disc-configured? boolean
      | | +--ro end-of-lib?           boolean
      | | +--ro eol-notification-time? uint32
      | | +--ro tx-silence-time?      uint32
      | | +--ro rx-silence-time?      uint32
      | | +--ro gr-enable?            boolean
      | | +--ro gr-helper?            boolean
      | | +--ro gr-reconnect-time?    uint32
      | | +--ro gr-max-peer-reconnect-time? uint32

```

```

| | +--ro gr-recovery-time?                               uint32
| | +--ro gr-max-peer-recovery-time?                     uint32
| | +--ro forwarding-state-timer-running?                boolean
| | +--ro forwarding-state-timer-remaining?              uint32
| | +--ro lwd-delay?                                     uint32
| | +--ro lwd-default?                                   boolean
| | +--ro ldp-session-summary
| | | +--ro num-link-sessions?                           uint32
| | | +--ro num-operational-link-sessions?              uint32
| | | +--ro num-targeted-sessions?                       uint32
| | | +--ro num-operational-targeted-sessions?          uint32
| | +--ro tunnels
| | | +--ro total-tunnel-count?                          uint32
| | | +--ro ldp-tunnels* [tunnel-destination prefix-length]
| | | | +--ro tunnel-interface-index?                   uint32
| | | | +--ro tunnel-metric?                             uint32
| | | | +--ro name?                                       string
| | | | +--ro tunnel-lsp-state?                          uint32
| | | | +--ro tunnel-vif?                                 uint32
| | | | +--ro protocol-type?                             mpls-protocol
| | | | +--ro out-segments* [outgoing-interface]
| | | | | +--ro outgoing-interface                       string
| | | | | +--ro next-hop-ipaddress?                      inet:ipv4-address
| | | | +--ro tunnel-destination                         inet:ipv4-address
| | | | +--ro prefix-length                              uint32
| | +--ro statistics
| | | +--ro protocol-errors* [stats-group]
| | | | +--ro stats-group                                mpls-ldp-stats-error-group
| | | | +--ro protocol-error* [error-type]
| | | | | +--ro error-type                               uint32
| | | | | +--ro count?                                   uint32
| | | | +--ro protocol-stats* [stats-group]
| | | | | +--ro stats-group                              mpls-ldp-stats-error-group
| | | | | +--ro protocol-stat* [stat-type]
| | | | | | +--ro stat-type                               uint32
| | | | | | +--ro rx-count?                              uint32
| | | | | | +--ro tx-count?                              uint32
| | +--ro ldp-fec-statistics
| | | +--ro number-of-prefix-fec?                        uint32
| | | +--ro number-of-prefix-fec-installed?              uint32
| | | +--ro number-of-prefix-fec-filtered-in?            uint32
| | | +--ro number-of-prefix-fec-filtered-out?           uint32
| | | +--ro number-of-vc-fec-128?                       uint32
| | | +--ro number-of-vc-fec-129?                       uint32
| | | +--ro number-of-vc-fec-installed?                  uint32
| | | +--ro number-of-route-upd-proc-errors?             uint32
| | | +--ro number-of-vc-fec-proc-errors?                uint32
| | | +--ro number-of-prefix-fec-lwd?                    uint32
| | | +--ro number-of-vc-fec?                            uint32
| | +--ro interface* [interface-name]
| | | +--ro interface-name                               string
| | | +--ro interface-index?                             uint32
| | | +--ro label-space?                                 uint32
| | | +--ro neighbor-count?                              uint32
| | | +--ro hello-interval?                              uint32
| | | +--ro hello-timeout?                               uint32
| | | +--ro hello-next?                                  uint32
| | +--ro ldp-database* [peer-ip own-ip]
| | | +--ro peer-ip                                     inet:ipv4-address
| | | +--ro own-ip                                     inet:ipv4-address
| | | +--ro upstream* [index]
| | | | +--ro label?                                    uint32
| | | | +--ro prefix?                                  inet:ipv4-address
| | | | +--ro prefix-length?                            uint32

```

```

| | | | +--ro fec-type?          uint32
| | | | +--ro stale?           boolean
| | | | +--ro index            uint32
| | | +--ro downstream* [index]
| | | | +--ro label?          uint32
| | | | +--ro prefix?         inet:ipv4-address
| | | | +--ro prefix-length?  uint32
| | | | +--ro fec-type?       uint32
| | | | +--ro stale?         boolean
| | | | +--ro index          uint32
| | | | +--ro state?         string
| | | | +--ro filtered?      boolean
| | | | +--ro lwd?           boolean
| | +--ro targeted-peer* [mpls-ldp-targeted-peer-id]
| | | +--ro mpls-ldp-targeted-peer-id  inet:ipv4-address
| | +--ro path* [path-key]
| | | +--ro path-key          uint32
| | | +--ro destination-route?  inet:ipv4-prefix
| | | +--ro upstream-sessions* [ip]
| | | | +--ro ip             inet:ipv4-address
| | | | +--ro labelspace?   uint32
| | | | +--ro label?        uint32
| | | +--ro downstream-sessions* [ip interface]
| | | | +--ro ip             inet:ipv4-address
| | | | +--ro interface     string
| | | | +--ro labelspace?   uint32
| | | | +--ro label?        uint32
| | +--ro ldp-neighbors* [neighbor-ldpid labelspaceid]
| | | +--ro neighbor-ldpid    inet:ipv4-address
| | | +--ro labelspaceid     uint8
| | | +--ro neighbor-transport?  inet:ipv4-address
| | | +--ro interface-name?   string
| | | +--ro max-hold-time?    uint32
| | | +--ro time-left?       uint32
| | | +--ro up-time?         string
| | | +--ro configured-hold-time?  uint32
| | | +--ro neighbor-proposed-hold-time?  uint32
| | +--ro ldp-session* [peer-ldp-id peer-label-space-id]
| | | +--ro peer-ldp-id      inet:ipv4-address
| | | +--ro peer-label-space-id  uint8
| | | +--ro state?         string
| | | +--ro adjacency?     string
| | | +--ro role?         string
| | | +--ro max-hold?      uint32
| | | +--ro time-left?    uint32
| | | +--ro session-status? string
| | | +--ro local-ldp-id?  string
| | | +--ro local-lblspc-id? string
| | | +--ro next-keepalive? uint32
| | | +--ro entity-index?  uint32
| | | +--ro targeted-adj-added? string
| | | +--ro is-retry?      boolean
| | | +--ro next-retry?   uint32
| | | +--ro keepalive-interval?  uint32
| | | +--ro local-keepalive-timeout?  uint32
| | | +--ro peer-proposed-keepalive-timeout?  uint32
| | | +--ro session-up-time?  string
| | | +--ro md5-auth-key?    string
| | | +--ro tcp-conn-local?  string
| | | +--ro tcp-conn-remote? string
| | | +--ro tcp-state?      string
| | | +--ro num-fecs-received-from-peer?  uint32
| | | +--ro num-fecs-installed-from-peer?  uint32
| | | +--ro is-fecs-pending-uninstall?  boolean

```

```

| | | +--ro num-fecs-filtered-out?          uint32
| | | +--ro num-fecs-filtered-in?         uint32
| | | +--ro filter-prefix-list-name?     string
| | | +--ro filter-prefix-list-exists?   boolean
| | | +--ro is-only-gr-valid?            boolean
| | | +--ro gr-enabled?                  boolean
| | | +--ro peer-reconnect-time?         uint32
| | | +--ro peer-recovery-time?         uint32
| | | +--ro reconnect-time-in-use?      uint32
| | | +--ro reconnect-time-remaining?   uint32
| | | +--ro recovery-time-in-use?       uint32
| | | +--ro recovery-time-remaining?   uint32
| | | +--ro gr-state?                    string
| | | +--ro local-eol-unrecognized-notification? boolean
| | | +--ro remote-eol-unrecognized-notification? boolean
| | | +--ro does-session-support-eol?   boolean
| | | +--ro local-state?                 boolean
| | | +--ro remote-state?                boolean
| | | +--ro eol-notification-time?      uint32
| | | +--ro eol-notification-time-remaining? uint32
| | | +--ro eol-tx-label-silence-time?  uint32
| | | +--ro eol-tx-label-silence-time-remaining? uint32
| | | +--ro eol-rx-label-silence-time?  uint32
| | | +--ro eol-rx-label-silence-time-remaining? uint32
| | | +--ro filtered?                    session-filter-type
| | | +--ro interfaces*                  string
| | | +--ro addresses*                   string
| | | +--ro session-ldp-stats
| | | | +--ro protocol-errors* [stats-group]
| | | | | +--ro stats-group          mpls-ldp-stats-error-group
| | | | | +--ro protocol-error* [error-type]
| | | | | | +--ro error-type        uint32
| | | | | | +--ro count?            uint32
| | | | | +--ro protocol-stats* [stats-group]
| | | | | | +--ro stats-group          mpls-ldp-stats-error-group
| | | | | | +--ro protocol-stat* [stat-type]
| | | | | | | +--ro stat-type        uint32
| | | | | | | +--ro rx-count?        uint32
| | | | | | | +--ro tx-count?        uint32
| | | | +--ro filtered-fecs-in* [fec-addr fec-type]
| | | | | +--ro fec-addr            inet:ipv4-prefix
| | | | | +--ro fec-type            fec-type
| | | | | +--ro label?              uint32
| | | | +--ro filtered-fecs-out* [fec-addr fec-type]
| | | | | +--ro fec-addr            inet:ipv4-prefix
| | | | | +--ro fec-type            fec-type
| | | +--ro ldp-fec-prefix* [destination]
| | | | +--ro destination            string
| | | | +--ro state?                 string
| | | | +--ro ingress?               string
| | | | +--ro egress?                string
| | | | +--ro filtered?               string
| | | | +--ro lwd?                   string
| | | | +--ro filter-type?            fec-filter-type
| | | | +--ro prefix-filtered?        string
| | | | +--ro longer?                 boolean
| | | | +--ro prefix-feccb?           uint32
| | | | +--ro prefix-idx?             uint32
| | | | +--ro prefix-type?            uint32
| | | | +--ro prefix-pend-notif?      string
| | | | +--ro prefix-um-dist-done?    string
| | | | +--ro prefix-lwd-started?     string
| | | | +--ro prefix-is-ldp-o-rsvp?   boolean
| | | | +--ro prefix-excess-dms?      boolean

```

```

| | | +--ro nexthops* [nexthop]
| | | | +--ro nexthop      string
| | | | +--ro out-intf?   string
| | | +--ro prefix-downstream* [mapping-index]
| | | | +--ro local-ldp-id?      inet:ipv4-address
| | | | +--ro local-ldp-lblspc?  uint32
| | | | +--ro peer-ldp-id?       inet:ipv4-address
| | | | +--ro peer-ldp-lblspc?   uint32
| | | | +--ro label?             uint32
| | | | +--ro state?             string
| | | | +--ro fec-filtered-state? uint32
| | | | +--ro fec-stale?         uint32
| | | | +--ro feccb?            uint32
| | | | +--ro fec-dm-state-dw?   uint32
| | | | +--ro mapping-index     uint32
| | | +--ro prefix-upstream* [mapping-index]
| | | | +--ro local-ldp-id?      inet:ipv4-address
| | | | +--ro local-ldp-lblspc?  uint32
| | | | +--ro peer-ldp-id?       inet:ipv4-address
| | | | +--ro peer-ldp-lblspc?   uint32
| | | | +--ro label?             uint32
| | | | +--ro state?             string
| | | | +--ro fec-filtered-state? uint32
| | | | +--ro fec-stale?         uint32
| | | | +--ro feccb?            uint32
| | | | +--ro fec-dm-state-dw?   uint32
| | | | +--ro mapping-index     uint32
| | +--ro ldp-fec-vc* [peer-id vc-id vc-fec-type vc-type]
| | | +--ro peer-id            inet:ipv4-address
| | | +--ro vc-id              uint32
| | | +--ro vc-fec-type        uint32
| | | +--ro vc-type            uint32
| | | +--ro peer-lblspc?       uint32
| | | +--ro state?             string
| | | +--ro peer-vc-type?      uint32
| | | +--ro ingress?           string
| | | +--ro egress?            string
| | | +--ro vc-feccb?          uint32
| | | +--ro vc-idx?            uint32
| | | +--ro prefix-pend-notif? string
| | | +--ro prefix-um-dist-done? string
| | | +--ro vc-grp-id?         uint32
| | | +--ro vc-local-mtu?      uint32
| | | +--ro vc-remote-mtu?     uint32
| | | +--ro vc-mtu-enforcement? uint32
| | | +--ro vc-agi?            string
| | | +--ro vc-local-flow-label-tx? uint32
| | | +--ro vc-local-flow-label-rx? uint32
| | | +--ro vc-remote-flow-label-tx? uint32
| | | +--ro vc-remote-flow-label-rx? uint32
| | | +--ro vc-control-word-preferred? uint32
| | | +--ro vc-control-word-in-use? uint32
| | | +--ro vc-downstream* [mapping-index]
| | | | +--ro local-ldp-id?      inet:ipv4-address
| | | | +--ro local-ldp-lblspc?  uint32
| | | | +--ro peer-ldp-id?       inet:ipv4-address
| | | | +--ro peer-ldp-lblspc?   uint32
| | | | +--ro label?             uint32
| | | | +--ro state?             string
| | | | +--ro fec-filtered-state? uint32
| | | | +--ro fec-stale?         uint32
| | | | +--ro feccb?            uint32
| | | | +--ro fec-dm-state-dw?   uint32
| | | | +--ro mapping-index     uint32

```

```

| | +--ro vc-upstream* [mapping-index]
| |   +--ro local-ldp-id?          inet:ipv4-address
| |   +--ro local-ldp-lblspc?     uint32
| |   +--ro peer-ldp-id?          inet:ipv4-address
| |   +--ro peer-ldp-lblspc?     uint32
| |   +--ro label?                uint32
| |   +--ro state?                string
| |   +--ro fec-filtered-state?   uint32
| |   +--ro fec-stale?            uint32
| |   +--ro feccb?                uint32
| |   +--ro fec-dm-state-dw?     uint32
| |   +--ro mapping-index        uint32
| +--ro memory
| |   +--ro total-non-pool-memory? uint32
| |   +--ro pools* [pool-index]
| |     | +--ro pool-index        uint32
| |     | | +--ro sub-pools* [sub-pool-index]
| |     | | | +--ro sub-pool-index  uint32
| |     | | | +--ro gen-size?       uint32
| |     | | | +--ro block-size?    uint32
| |     | | | +--ro gen-blocks?    uint32
| |     | | | +--ro current-gens?  uint32
| |     | | | +--ro current-blocks? uint32
| |     | | | +--ro free-blocks?   uint32
| |     +--ro stats* [mem-stats-index]
| |       +--ro mem-stats-index    uint32
| |       +--ro mem-type?          string
| |       +--ro num-alloc?         uint32
| |       +--ro total-bytes?       uint32
| |       +--ro total-allocs?     uint32
| |       +--ro total-frees?      uint32
| |       +--ro peak-alloc?        uint32
| |       +--ro alloc-fails?      uint32
| |       +--ro free-fails?       uint32
| +--ro policy
| |   +--ro cspf-intf?              uint8
| |   +--ro cspf-group-computation-mode? mpls-cspf-grp-comp-mode
| |   +--ro cspf-comp-mode?        uint32
| |   +--ro cspf-comp-ignore-overload-bit? uint8
| |   +--ro implicit-commit-value?  uint32
| |   +--ro qos-ttl-mode?          qos-ttl-mode
| |   +--ro rtm-route-filter-enabled? boolean
| |   +--ro rtm-route-filter-all-ibgp-enabled? boolean
| |   +--ro ingress-tnnl-actg?     uint8
| |   +--ro transit-session-actg?  uint8
| |   +--ro load-interval?         uint16
| |   +--ro te-policy-protocol?    te-protocol
| |   +--ro te-policy-flags?       uint16
| |   +--ro te-policy-area?        uint32
| |   +--ro handle-isis-nbr-down?  uint8
| |   +--ro handle-ospf-nbr-down?  uint8
| |   +--ro max-lsp-retries?       uint16
| |   +--ro fast-retry-on?         uint8
| |   +--ro lsp-retry-interval?    uint16
| |   +--ro frr-backup-retry-interval? uint32
| |   +--ro auto-bandwidth-enabled? uint8
| |   +--ro autobw-sample-interval? uint32
| |   +--ro autobw-num-sample-record? uint32
| |   +--ro soft-preempt-cleanup-timer? uint16
| |   +--ro rsvp-periodic-flooding-timer? uint16
| |   +--ro switchover-activation-delay? uint32
| |   +--ro switchover-hold-tear-delay? uint32
| |   +--ro admin-groups* [name]
| | | +--ro name                    string

```

```

| | | +--ro group-number?   uint8
| | +--ro rsvp-flooding-thresholds* [threshold-type]
| |   +--ro threshold-type   string
| |   +--ro flooding-thresholds* uint32
| +--ro rsvp
| |   +--ro protocol-status?   boolean
| |   +--ro refresh-interval?  uint16
| |   +--ro refresh-multiple?  uint16
| |   +--ro transport-address? inet:ipv4-address
| |   +--ro delay-resv-sending? boolean
| |   +--ro backup-bandwidth-requirement? boolean
| |   +--ro msgid-epoch*      uint32
| |   +--ro statistics
| |     +--ro packet-error-counters
| |       +--ro rx-pkt-bad-length?   uint64
| |       +--ro rx-pkt-unknown-type? uint64
| |       +--ro rx-pkt-bad-version?  uint64
| |       +--ro rx-pkt-bad-checksum? uint64
| |       +--ro rx-pkt-non-mpls-if?  uint64
| |       +--ro mem-alloc-fail?      uint64
| |       +--ro rx-md5-auth-error?   uint64
| |       +--ro path-state-timeout?  uint64
| |       +--ro resv-state-timeout?  uint64
| |       +--ro pkt-with-msg-id-drop? uint64
| |       +--ro pkt-with-sref-drop?  uint64
| |       +--ro rx-pkt-bad-length-since-last-clear? uint64
| |       +--ro rx-pkt-unknown-type-since-last-clear? uint64
| |       +--ro rx-pkt-bad-version-since-last-clear? uint64
| |       +--ro rx-pkt-bad-checksum-since-last-clear? uint64
| |       +--ro rx-pkt-non-mpls-if-since-last-clear? uint64
| |       +--ro mem-alloc-fail-since-last-clear?   uint64
| |       +--ro rx-md5-auth-error-since-last-clear? uint64
| |       +--ro path-state-timeout-since-last-clear? uint64
| |       +--ro resv-state-timeout-since-last-clear? uint64
| |       +--ro pkt-with-msg-id-drop-since-last-clear? uint64
| |       +--ro pkt-with-sref-drop-since-last-clear? uint64
| |       +--ro path-errors?         uint64
| |       +--ro resv-errors?         uint64
| |       +--ro patherr-errors?     uint64
| |       +--ro resverr-errors?     uint64
| |       +--ro pathtear-errors?    uint64
| |       +--ro resvtear-errors?    uint64
| |       +--ro resvconf-errors?    uint64
| |       +--ro bundle-errors?      uint64
| |       +--ro ack-errors?         uint64
| |       +--ro sumrefresh-errors?   uint64
| |       +--ro hello-errors?       uint64
| |       +--ro nackobject-errors?  uint64
| |       +--ro path-errors-since-last-clear?   uint64
| |       +--ro resv-errors-since-last-clear?   uint64
| |       +--ro patherr-errors-since-last-clear? uint64
| |       +--ro resverr-errors-since-last-clear? uint64
| |       +--ro pathtear-errors-since-last-clear? uint64
| |       +--ro resvtear-errors-since-last-clear? uint64
| |       +--ro resvconf-errors-since-last-clear? uint64
| |       +--ro bundle-errors-since-last-clear? uint64
| |       +--ro ack-errors-since-last-clear?   uint64
| |       +--ro sumrefresh-errors-since-last-clear? uint64
| |       +--ro hello-errors-since-last-clear?   uint64
| |       +--ro nackobject-errors-since-last-clear? uint64
| |     +--ro packet-counters
| |       +--ro path-tx?             uint64
| |       +--ro resv-tx?             uint64
| |       +--ro patherr-tx?         uint64

```

```

| | | +--ro resverr-tx?          uint64
| | | +--ro pathtear-tx?       uint64
| | | +--ro resvtear-tx?      uint64
| | | +--ro resvconf-tx?      uint64
| | | +--ro bundle-tx?        uint64
| | | +--ro ack-tx?           uint64
| | | +--ro sumrefresh-tx?    uint64
| | | +--ro hello-tx?         uint64
| | | +--ro path-rx?          uint64
| | | +--ro resv-rx?          uint64
| | | +--ro patherr-rx?       uint64
| | | +--ro resverr-rx?       uint64
| | | +--ro pathtear-rx?      uint64
| | | +--ro resvtear-rx?      uint64
| | | +--ro resvconf-rx?      uint64
| | | +--ro bundle-rx?        uint64
| | | +--ro ack-rx?           uint64
| | | +--ro sumrefresh-rx?    uint64
| | | +--ro hello-rx?         uint64
| | | +--ro path-tx-since-last-clear?  uint64
| | | +--ro resv-tx-since-last-clear?  uint64
| | | +--ro patherr-tx-since-last-clear? uint64
| | | +--ro resverr-tx-since-last-clear? uint64
| | | +--ro pathtear-tx-since-last-clear? uint64
| | | +--ro resvtear-tx-since-last-clear? uint64
| | | +--ro resvconf-tx-since-last-clear? uint64
| | | +--ro bundle-tx-since-last-clear?  uint64
| | | +--ro ack-tx-since-last-clear?     uint64
| | | +--ro sumrefresh-tx-since-last-clear? uint64
| | | +--ro hello-tx-since-last-clear?   uint64
| | | +--ro path-rx-since-last-clear?    uint64
| | | +--ro resv-rx-since-last-clear?    uint64
| | | +--ro patherr-rx-since-last-clear?  uint64
| | | +--ro resverr-rx-since-last-clear?  uint64
| | | +--ro pathtear-rx-since-last-clear?  uint64
| | | +--ro resvtear-rx-since-last-clear?  uint64
| | | +--ro resvconf-rx-since-last-clear?  uint64
| | | +--ro bundle-rx-since-last-clear?    uint64
| | | +--ro ack-rx-since-last-clear?      uint64
| | | +--ro sumrefresh-rx-since-last-clear? uint64
| | | +--ro hello-rx-since-last-clear?    uint64
| | +--ro igp-sync
| | | +--ro isis-nbr-down-enabled?  boolean
| | | +--ro ospf-nbr-down-enabled?  boolean
| | | +--ro link* [ip-address nbr-ip-address]
| | | | +--ro ip-address            inet:ipv4-address
| | | | +--ro nbr-ip-address        inet:ipv4-address
| | | | +--ro remote-ip?            inet:ipv4-address
| | | | +--ro lsp-count?            uint32
| | | | +--ro lsp* [lsp-name lsp-instance-id]
| | | | | +--ro lsp-name              string
| | | | | +--ro lsp-instance-id        uint32
| | | | | +--ro path-name?            string
| | | | | +--ro cspf-enabled?          boolean
| | | | | +--ro rro-enabled?           boolean
| | | | | +--ro frr-enabled?           boolean
| | | | | +--ro nbr-down-enabled?      boolean
| | | | | +--ro link-count?            uint32
| | | | | +--ro nbr-down-inprogress?  boolean
| | | | | +--ro cspf-hop-count?        uint32
| | | | | +--ro rro-hop-count?         uint32
| | | | | +--ro hops* [index hop-type]
| | | | | | +--ro index                uint32
| | | | | | +--ro hop-type              igp-sync-hop-type

```

```

| | | |      +--ro ip-address?      inet:ipv4-address
| | | |      +--ro nbr-ip-address?  inet:ipv4-address
| | | +--ro lsp* [lsp-name lsp-instance-id]
| | | |      +--ro lsp-name          string
| | | |      +--ro lsp-instance-id   uint32
| | | |      +--ro path-name?       string
| | | |      +--ro cspf-enabled?     boolean
| | | |      +--ro rro-enabled?     boolean
| | | |      +--ro frr-enabled?     boolean
| | | |      +--ro nbr-down-enabled? boolean
| | | |      +--ro link-count?      uint32
| | | |      +--ro nbr-down-inprogress? boolean
| | | |      +--ro cspf-hop-count?  uint32
| | | |      +--ro rro-hop-count?   uint32
| | | |      +--ro hops* [index hop-type]
| | | | |      +--ro index           uint32
| | | | |      +--ro hop-type       igp-sync-hop-type
| | | | |      +--ro ip-address?    inet:ipv4-address
| | | | |      +--ro nbr-ip-address? inet:ipv4-address
| | | +--ro interfaces* [interface-name]
| | | |      +--ro interface-name    string
| | | |      +--ro interface-type?   dcm-interface-type
| | | |      +--ro interface-index?  uint32
| | | |      +--ro admin-status?     boolean
| | | |      +--ro oper-status?     boolean
| | | |      +--ro is-tunnel-interface? boolean
| | | |      +--ro hello-interval?  uint32
| | | |      +--ro hello-tolerance? uint32
| | | |      +--ro hello-status?    feature-config-status
| | | |      +--ro is-md5-auth-enabled? boolean
| | | |      +--ro reliable-messages? feature-config-status
| | | |      +--ro bundle-messages? feature-config-status
| | | |      +--ro summary-refresh?  feature-config-status
| | | |      +--ro active-outsegs?  uint32
| | | |      +--ro inactive-outsegs? uint32
| | | |      +--ro bandwidth-resv-outsegs? uint32
| | | |      +--ro active-backup-outsegs? uint32
| | | |      +--ro inactive-backup-outsegs? uint32
| | | |      +--ro interface-preempts? uint32
| | | |      +--ro interface-resv-soft-preempts? uint32
| | | |      +--ro interface-flooding-up-threshold? feature-config-source
| | | |      +--ro interface-flooding-down-threshold? feature-config-source
| | | |      +--ro duplicate-preempts-dropped? uint32
| | | |      +--ro bypass-interface?  boolean
| | | |      +--ro interface-tunnel-name? string
| | | |      +--ro bypass-tunnel-interface-name? string
| | | |      +--ro interface-te-up-thresholds* uint32
| | | |      +--ro interface-te-down-thresholds* uint32
| | | |      +--ro error-counters
| | | | |      +--ro recv-md5-auth-errors? uint64
| | | | |      +--ro pkt-with-msgid-drop? uint64
| | | | |      +--ro pkt-with-sref-drop? uint64
| | | | |      +--ro nackobject-errors? uint64
| | | | |      +--ro recv-md5-auth-errors-since-last-clear? uint64
| | | | |      +--ro pkt-with-msgid-drop-since-last-clear? uint64
| | | | |      +--ro pkt-with-sref-drop-since-last-clear? uint64
| | | | |      +--ro nackobject-errors-since-last-clear? uint64
| | | |      +--ro packet-counters
| | | | |      +--ro path-tx?          uint64
| | | | |      +--ro resv-tx?         uint64
| | | | |      +--ro patherr-tx?     uint64
| | | | |      +--ro resverr-tx?    uint64
| | | | |      +--ro pathtear-tx?   uint64
| | | | |      +--ro resvtear-tx?   uint64

```

```

| | | +--ro resvconf-tx? uint64
| | | +--ro bundle-tx? uint64
| | | +--ro ack-tx? uint64
| | | +--ro sumrefresh-tx? uint64
| | | +--ro hello-tx? uint64
| | | +--ro path-rx? uint64
| | | +--ro resv-rx? uint64
| | | +--ro patherr-rx? uint64
| | | +--ro resverr-rx? uint64
| | | +--ro pathtear-rx? uint64
| | | +--ro resvtear-rx? uint64
| | | +--ro resvconf-rx? uint64
| | | +--ro bundle-rx? uint64
| | | +--ro ack-rx? uint64
| | | +--ro sumrefresh-rx? uint64
| | | +--ro hello-rx? uint64
| | | +--ro path-tx-since-last-clear? uint64
| | | +--ro resv-tx-since-last-clear? uint64
| | | +--ro patherr-tx-since-last-clear? uint64
| | | +--ro resverr-tx-since-last-clear? uint64
| | | +--ro pathtear-tx-since-last-clear? uint64
| | | +--ro resvtear-tx-since-last-clear? uint64
| | | +--ro resvconf-tx-since-last-clear? uint64
| | | +--ro bundle-tx-since-last-clear? uint64
| | | +--ro ack-tx-since-last-clear? uint64
| | | +--ro sumrefresh-tx-since-last-clear? uint64
| | | +--ro hello-tx-since-last-clear? uint64
| | | +--ro path-rx-since-last-clear? uint64
| | | +--ro resv-rx-since-last-clear? uint64
| | | +--ro patherr-rx-since-last-clear? uint64
| | | +--ro resverr-rx-since-last-clear? uint64
| | | +--ro pathtear-rx-since-last-clear? uint64
| | | +--ro resvtear-rx-since-last-clear? uint64
| | | +--ro resvconf-rx-since-last-clear? uint64
| | | +--ro bundle-rx-since-last-clear? uint64
| | | +--ro ack-rx-since-last-clear? uint64
| | | +--ro sumrefresh-rx-since-last-clear? uint64
| | | +--ro hello-rx-since-last-clear? uint64
| | +--ro sessions* [dest-ip-addr src-ip-addr tunnel-id session-role]
| | | +--ro dest-ip-addr inet:ipv4-address
| | | +--ro src-ip-addr inet:ipv4-address
| | | +--ro tunnel-id uint16
| | | +--ro session-role session-role
| | | +--ro session-operational-status? boolean
| | | +--ro psbs* [path-index]
| | | | +--ro path-index uint32
| | | | +--ro session-name? string
| | | | +--ro session-type? session-type
| | | | +--ro path-operational-status? boolean
| | | | +--ro session-in-label? uint32
| | | | +--ro session-out-label? uint32
| | | | +--ro session-out-interface? string
| | | | +--ro lsp-id? uint32
| | | | +--ro flap-lock? uint32
| | | | +--ro path-refresh? uint32
| | | | +--ro path-refresh-ttd? uint32
| | | | +--ro resv-refresh? uint32
| | | | +--ro resv-refresh-ttd? uint32
| | | | +--ro tspec-peak? uint32
| | | | +--ro tspec-rate? uint32
| | | | +--ro tspec-size? uint32
| | | | +--ro tspec-minimum? uint32
| | | | +--ro tspec-m? uint32
| | | | +--ro psb-setup-priority? uint8

```

			+--ro psb-hold-priority?	uint8
			+--ro session-attribute-all-flags?	uint8
			+--ro sa-flag-label-recording?	boolean
			+--ro sa-flag-soft-preemption-desired?	boolean
			+--ro sa-flag-se-style?	boolean
			+--ro sa-flag-local-protect?	boolean
			+--ro sa-flag-bandwidth-protect?	boolean
			+--ro sa-flag-session-protection-type?	session-
protection-type				
			+--ro session-soft-preemption-wait-timer?	uint32
			+--ro session-preemption-wait-timer?	uint32
			+--ro frr-detour?	boolean
			+--ro frr-facility?	boolean
			+--ro frr-unknown-backup-mode-desired?	boolean
			+--ro frr-unknown-flags?	uint8
			+--ro frr-psb-setup-priority?	uint8
			+--ro frr-psb-hold-priority?	uint8
			+--ro frr-bandwidth?	uint32
			+--ro frr-hoplimit?	uint8
			+--ro frr-method?	frr-method
			+--ro frr-nh-node-protection-available?	boolean
			+--ro frr-nh-node-protection-in-use?	boolean
			+--ro frr-nh-link-protection-available?	boolean
			+--ro frr-nh-link-protection-in-use?	boolean
			+--ro frr-bandwidth-protection-available?	boolean
			+--ro frr-lsp-bringup-abandoned?	boolean
			+--ro frr-updown-transitions?	uint32
			+--ro frr-retries?	uint32
			+--ro frr-session-protection-available?	boolean
			+--ro frr-next-retry?	uint32
			+--ro frr-cost?	uint32
			+--ro frr-cspf-group-computation-mode?	frr-cspf-group-
computation-mode				
			+--ro frr-cspf-group-computation-mode-use-bypass-liberal?	boolean
			+--ro is-downstream-backup-psb?	boolean
			+--ro is-backup-psb?	boolean
			+--ro is-upstream-psb?	boolean
			+--ro is-ps-frr-detour-sent?	boolean
			+--ro is-ps-frr-backup-sent?	boolean
			+--ro is-ps-frr-detour-received?	boolean
			+--ro is-ps-frr-backup-received?	boolean
			+--ro path-received-from-ip?	inet:ipv4-
address				
			+--ro path-received-interface?	string
			+--ro path-received-auth-on?	boolean
			+--ro path-received-message-id?	uint32
			+--ro path-downstream-only?	boolean
			+--ro path-sent-to-ip?	inet:ipv4-
address				
			+--ro path-sent-interface?	string
			+--ro path-sent-auth-on?	boolean
			+--ro path-sent-message-id?	uint32
			+--ro resv-received-from-ip?	inet:ipv4-
address				
			+--ro resv-received-interface?	string
			+--ro resv-received-auth-on?	boolean
			+--ro resv-received-message-id?	uint32
			+--ro session-riding-bypass-name?	string
			+--ro session-style?	session-
reservation-style				
			+--ro points-of-local-repair-detour-rcvd*	inet:ipv4-
address				
			+--ro avoid-nodes-detour-rcvd*	inet:ipv4-
address				

```

| | | +--ro points-of-local-repair-detour-sent*          inet:ipv4-
address
| | | +--ro avoid-nodes-detour-sent*                    inet:ipv4-
address
| | | +--ro session-ero-hops* [ip-addr]
| | | | +--ro ip-addr          inet:ipv4-address
| | | | +--ro ero-flag-is-strict-hop?  boolean
| | | +--ro session-rro-hops* [ip-addr]
| | | | +--ro ip-addr          inet:ipv4-address
| | | | +--ro rro-flag-is-local-protect-available?  boolean
| | | | +--ro rro-flag-is-local-protect-in-use?    boolean
| | | | +--ro rro-flag-rro-is-router-id?          boolean
| | | | +--ro rro-flag-rro-node-protect?         boolean
| | | | +--ro rro-flag-rro-bandwidth-protect?    boolean
| | +--ro neighbors* [neighbor-ip-addr]
| | | +--ro neighbor-ip-addr          inet:ipv4-address
| | | +--ro neighbor-interface?      string
| | | +--ro neighbor-status?        string
| | | +--ro neighbor-last-status-change?  string
| | | +--ro rsvp-hello-tx?          uint32
| | | +--ro rsvp-hello-rx?          uint32
| | | +--ro refresh-reduction-support?  boolean
| | | +--ro msg-id-support?          boolean
| | | +--ro active-lsps?            uint32
| | | +--ro rsvp-hello-interval?     uint32
| | | +--ro rsvp-hello-tolerance?    uint32
| | | +--ro neighbor-remote-instance?  uint32
| | | +--ro neighbor-local-instance?  uint32
| | | +--ro last-hello-rx?           uint32
| | | +--ro next-hello-req-tx?       uint32
| +--ro dynamic-bypass
| | +--ro dynamic-bypass-global
| | | +--ro config-enable?          uint16
| | | | +--ro config-enable-all?  uint16
| | | +--ro reoptimize-timer?      uint32
| | | | +--ro max-bypasses-per-mp?  uint16
| | | | +--ro max-bypasses?        uint16
| | | | +--ro bypass-count?        uint16
| | +--ro dynamic-bypass-interface* [if-name]
| | | +--ro if-index?              uint32
| | | +--ro if-name                string
| | | +--ro if-type?               mpls-if-type
| | | +--ro active-status?         uint8
| | | +--ro admin-type?            uint8
| | | +--ro admin-status?          uint8
| | | +--ro hop-limit?             uint8
| | | +--ro tie-breaking?          uint8
| | | +--ro cos?                   uint8
| | | +--ro cspf-comp-mode?        uint8
| | | +--ro setup-priority?        uint8
| | | +--ro hold-priority?         uint8
| | | +--ro traffic-eng-max-rate?  uint32
| | | +--ro traffic-eng-mean-rate? uint32
| | | +--ro traffic-eng-max-burst? uint32
| | | +--ro from-addr?             inet:ipv4-address
| | | +--ro reoptimize-timer?     uint32
| | | +--ro adaptive?              uint32
| | | +--ro record-route?          uint32
| | | +--ro name-prefix?           string
| | | +--ro primary-path?          string
| | | +--ro max-bypasses-per-mp?  uint16
| | | +--ro bypass-count?          uint16
| | | +--ro exclude-any?           uint32
| | | +--ro include-all?          uint32

```

```

| | +--ro include-any?          uint32
| | +--ro status-flags?        uint32
| | +--ro mp-count?           uint32
| | +--ro mp-infos* [router-id]
| |   +--ro router-id         inet:ipv4-address
| |   +--ro bypass-count?    uint16
| +--ro te
| | +--ro ospf-te-enabled?    boolean
| | +--ro isis-te-enabled?    boolean
| | +--ro ospf-area-id?      inet:ipv4-address
| | +--ro isis-level-id?     uint32
| | +--ro database
| | | +--ro router-id?       inet:ipv4-address
| | | | +--ro area* [area-id level-id]
| | | | | +--ro igp-isis?      boolean
| | | | | +--ro igp-ospf?     boolean
| | | | | +--ro area-id       inet:ipv4-address
| | | | | +--ro level-id     uint32
| | | | | +--ro host-name?    string
| | | | | +--ro router-id?    inet:ipv4-address
| | | | | +--ro total-network-nodes? uint32
| | | | | +--ro total-router-nodes? uint32
| | | | | +--ro total-p2p-links?  uint32
| | | | | +--ro total-p2mp-links?  uint32
| | | | | +--ro node* [local-node-id local-router-id]
| | | | | | +--ro igp-isis?      boolean
| | | | | | +--ro igp-ospf?     boolean
| | | | | | +--ro area-id       inet:ipv4-address
| | | | | | +--ro level-id     uint32
| | | | | | +--ro router?      boolean
| | | | | | +--ro network?     boolean
| | | | | | +--ro host-name?    string
| | | | | | +--ro local-node-id  string
| | | | | | +--ro local-router-id inet:ipv4-address
| | | | | | +--ro gen-code?     uint32
| | | | | | +--ro lsa-id?       uint32
| | | | | | +--ro total-p2p-links?  uint32
| | | | | | +--ro total-p2mp-links?  uint32
| | | | | | +--ro overloaded?    uint32
| | | | | +--ro link* [local-node-id remote-node-id local-router-id remote-router-
id local-ip remote-ip]
| | | | | | +--ro igp-isis?      boolean
| | | | | | +--ro igp-ospf?     boolean
| | | | | | +--ro area-id       inet:ipv4-address
| | | | | | +--ro level-id     uint32
| | | | | | +--ro local-node-id  string
| | | | | | +--ro remote-node-id  string
| | | | | | +--ro local-router-id  inet:ipv4-address
| | | | | | +--ro remote-router-id  inet:ipv4-address
| | | | | | +--ro local-host-name?  string
| | | | | | +--ro remote-host-name?  string
| | | | | | +--ro router?      boolean
| | | | | | +--ro network?     boolean
| | | | | | +--ro p2p?         boolean
| | | | | | +--ro p2mp?       boolean
| | | | | | +--ro local-ip      inet:ipv4-address
| | | | | | +--ro remote-ip     inet:ipv4-address
| | | | | | +--ro gen-code?     uint32
| | | | | | +--ro lsa-id?       uint32
| | | | | | +--ro pending-delete?  uint32
| | | | | | +--ro igp-metric?    uint32
| | | | | | +--ro te-metric?    uint32
| | | | | | +--ro admin-group?   uint32
| | | | | | +--ro max-bandwidth?  uint32

```

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| | | | +--ro max-reservable-bandwidth? uint32
| | | | +--ro unreserved-priority-0-bandwidth? uint32
| | | | +--ro unreserved-priority-1-bandwidth? uint32
| | | | +--ro unreserved-priority-2-bandwidth? uint32
| | | | +--ro unreserved-priority-3-bandwidth? uint32
| | | | +--ro unreserved-priority-4-bandwidth? uint32
| | | | +--ro unreserved-priority-5-bandwidth? uint32
| | | | +--ro unreserved-priority-6-bandwidth? uint32
| | | | +--ro unreserved-priority-7-bandwidth? uint32
| | | | +--ro srlg* [name]
| | | | | +--ro name string
| | | | | +--ro penalty? uint32
| | | | +--ro srlg* [name]
| | | | | +--ro name string
| | | | | +--ro penalty? uint32
| | +--ro router-id-map* [ip-address]
| | | +--ro ip-address inet:ipv4-address
| | | +--ro router-id? inet:ipv4-address
| | | +--ro resolved? boolean
| | | +--ro igp-isis? boolean
| | | +--ro igp-ospf? boolean
| | | +--ro isis-level? uint32
| | | +--ro ospf-area? inet:ipv4-address
| | | +--ro origin-ted? boolean
| | | +--ro origin-path? uint32
| | | +--ro origin-lsp? uint32
| | | +--ro origin-other? boolean
| +--ro autobw-threshold-table-summary
| | +--ro total-number-of-autobw-threshold-table-entries? uint32
| +--ro statistics-oam
| | +--ro usr-ping-count? uint32
| | +--ro usr-traceroute-count? uint32
| | +--ro echo-req-sent-count? uint32
| | +--ro echo-req-received-count? uint32
| | +--ro echo-req-timeout-count? uint32
| | +--ro echo-resp-sent-count? uint32
| | +--ro echo-resp-received-count? uint32
| | +--ro return-codes* [number]
| | | +--ro number uint32
| | | +--ro name? string
| | | +--ro tx-count? uint32
| | | +--ro rx-count? uint32
| +--ro bfd
| | +--ro admin-status? uint8
| | +--ro min-tx-interval? uint32
| | +--ro min-rx-interval? uint32
| | +--ro detection-time-multiplier? uint8
| +--ro interface* [interface-name]
| | +--ro interface-name string
| | +--ro interface-index? uint32
| | +--ro admin-status? boolean
| | +--ro oper-status? boolean
| | +--ro mtu? uint32
| | +--ro bypass-lsp-count? uint32
| | +--ro max-lsp-priority-level? uint32
| | +--ro is-ldp-enabled? boolean
| | +--ro ldp-tunnel-count? uint32
| | +--ro ldp-transit-tunnel-count? uint32
| | +--ro is-gre-port? boolean
| | +--ro admin-group? uint32
| | +--ro admin-group-max? uint8
| | +--ro admin-group-min? uint8
| | +--ro te-metric? uint32
| | +--ro max-bandwidth? uint32

```

```

| | +--ro max-resv-bandwidth?          uint32
| | +--ro max-resv-bandwidth-percentage?  uint32
| | +--ro resv-bandwidth*             uint32
| | +--ro advert-unreserved-bandwidth*  uint32
| | +--ro under-provisioned-bandwidth*  uint32
| +--ro path* [path-name]
| | +--ro path-name          string
| | +--ro usage-count?      uint32
| | +--ro path-hops* [hop-address]
| | | +--ro hop-address      inet:ipv4-address
| | | +--ro hop-type?        uint8
| | +--ro path-lsps* [lsp-name]
| |   +--ro lsp-name         string
| |   +--ro lsp-type?        uint32
| +--ro auto-bandwidth-template* [name]
| | +--ro name                string
| | +--ro adjustment-interval?  uint32
| | +--ro adjustment-threshold?  uint32
| | +--ro maximum-bandwidth?    uint32
| | +--ro minimum-bandwidth?    uint32
| | +--ro overflow-limit?       uint32
| | +--ro underflow-limit?      uint32
| | +--ro mode?                 boolean
| | +--ro sample-recording?     boolean
| | +--ro associated-paths-count?  uint32
| | +--ro associated-paths* [lsp-name]
| |   +--ro lsp-name          string
| |   +--ro path-name?        string
| |   +--ro is-active?        boolean
| +--ro autobw-threshold-table-entry* [bandwidth]
| | +--ro bandwidth            uint32
| | +--ro threshold?           uint32
| | +--ro is-percentage-threshold?  boolean
| +--ro lsp* [lsp-name]
| | +--ro lsp-name              string
| | +--ro lsp-type?             lsp-type
| | +--ro bypass-lsp-type?      bypass-lsp-type
| | +--ro interface?           string
| | +--ro history*              string
| | +--ro autobw-history*       string
| | +--ro basic
| | | +--ro tunnel-vif-index?      uint32
| | | +--ro lsp-type-bypass?       boolean
| | | +--ro lsp-type-dynamic?      boolean
| | | +--ro from-address-configured?  boolean
| | | +--ro from-address?          inet:ipv4-address
| | | +--ro to-address?            inet:ipv4-address
| | | +--ro admin-up?              boolean
| | | +--ro operational-status?     lsp-operational-status
| | | +--ro lsp-is-active?          boolean
| | | +--ro lsp-has-primary-path?   boolean
| | | +--ro path-name?              string
| | | +--ro out-label?              uint32
| | | +--ro out-interface-name?     string
| | | +--ro primary-up?             boolean
| | | +--ro primary-active?         boolean
| | | +--ro lsp-has-secondary?     boolean
| | | +--ro secondary-up?          boolean
| | | +--ro secondary-active?       boolean
| | | +--ro lsp-has-selected-secondary?  boolean
| | | +--ro selected-secondary-up?  boolean
| | | +--ro selected-secondary-active?  boolean
| | | +--ro primary-is-selected?    boolean
| | | +--ro lsp-has-frr?            boolean

```

			+--ro frr-up?	boolean
			+--ro frr-active?	boolean
			+--ro up-down-count?	uint32
			+--ro retry-count?	uint32
			+--ro down-reason?	string
			+--ro is-shortcut-ospf?	boolean
			+--ro is-ospf-ignore-metric?	boolean
			+--ro forwarding	
			+--ro tunnel-vif-index?	uint32
			+--ro lsp-id?	uint32
			+--ro forwarding-up?	boolean
			+--ro primary-active?	boolean
			+--ro primary-up?	boolean
			+--ro secondary-active?	boolean
			+--ro secondary-up?	boolean
			+--ro selected-secondary-active?	boolean
			+--ro selected-secondary-up?	boolean
			+--ro frr-active?	boolean
			+--ro frr-up?	boolean
			+--ro instance-id?	uint32
			+--ro out-port-id?	uint32
			+--ro out-port-name?	string
			+--ro out-label?	uint32
			+--ro frr	
			+--ro configured?	boolean
			+--ro one-to-one?	boolean
			+--ro one-to-many?	boolean
			+--ro protection-type?	lsp-frr-protection-type
			+--ro frr-up?	boolean
			+--ro active?	boolean
			+--ro priority-configured?	boolean
			+--ro setup-priority?	uint8
			+--ro holding-priority?	uint8
			+--ro hop-limit-configured?	boolean
			+--ro hop-limit?	uint8
			+--ro bandwidth-inherited?	boolean
			+--ro bandwidth-configured?	boolean
			+--ro bandwidth?	uint32
			+--ro down-reason?	string
			+--ro computation-mode?	lsp-cspf-computation-mode
			+--ro group-computation-mode-default?	boolean
			+--ro group-computation-mode-add-penalty?	boolean
			+--ro group-computation-mode-exclude-groups?	boolean
			+--ro group-computation-mode-high-cost?	boolean
			+--ro out-port-id?	uint32
			+--ro out-port-name?	string
			+--ro out-label?	uint32
			+--ro path-cost?	uint32
			+--ro bypass-name?	string
			+--ro has-secondary-switchover-time?	uint32
			+--ro secondary-switchover-time?	uint32
			+--ro hold-time?	uint32
			+--ro global-revertive?	uint32
			+--ro revertive-timer-expired?	uint32
			+--ro fwdg-state-primary-up?	boolean
			+--ro fwdg-state-primary-active?	boolean
			+--ro fwdg-state-primary-down?	boolean
			+--ro fwdg-state-secondary-up?	boolean
			+--ro fwdg-state-secondary-active?	boolean
			+--ro fwdg-state-secondary-down?	boolean
			+--ro fwdg-state-detour-up?	boolean
			+--ro fwdg-state-detour-active?	boolean
			+--ro fwdg-state-detour-down?	boolean
			+--ro admin-group-configured?	boolean

```

| | | +--ro admin-group-lists* [list-type]
| | |   +--ro list-type      lsp-admin-group-list-type
| | |   +--ro admin-group* [admin-group-id]
| | |     +--ro admin-group-id      uint32
| | |     +--ro admin-group-name?   string
| | |     +--ro exclude-any?       boolean
| | |     +--ro include-all?      boolean
| | |     +--ro include-any?      boolean
| | | +--ro backup
| | |   +--ro backup-present?      boolean
| | |   +--ro backup-count?       uint32
| | |   +--ro backup-ingress-count? uint32
| | |   +--ro backup-ingress-active-count? uint32
| | |   +--ro backup-transit-count? uint32
| | |   +--ro backup-transit-active-count? uint32
| | |   +--ro backup-ingress* [backup-from-address backup-to-address backup-name]
| | |     +--ro backup-from-address  inet:ipv4-address
| | |     +--ro backup-to-address    inet:ipv4-address
| | |     +--ro backup-name          string
| | |     +--ro backup-is-active?    boolean
| | |   +--ro backup-transit* [backup-from-address backup-to-address backup-name]
| | |     +--ro backup-from-address  inet:ipv4-address
| | |     +--ro backup-to-address    inet:ipv4-address
| | |     +--ro backup-name          string
| | |     +--ro backup-is-active?    boolean
| | | +--ro auto-bandwidth
| | |   +--ro adjustment-interval?  uint32
| | |   +--ro adjustment-threshold? uint32
| | |   +--ro maximum-bandwidth?    uint32
| | |   +--ro minimum-bandwidth?    uint32
| | |   +--ro overflow-limit?       uint32
| | |   +--ro underflow-limit?      uint32
| | |   +--ro mode?                 autobw-mode
| | |   +--ro sample-recording?     boolean
| | |   +--ro is-adjustment-interval-inherited? boolean
| | |   +--ro is-adjustment-threshold-inherited? boolean
| | |   +--ro is-maximum-bandwidth-inherited? boolean
| | |   +--ro is-minimum-bandwidth-inherited? boolean
| | |   +--ro is-overflow-limit-inherited? boolean
| | |   +--ro is-underflow-limit-inherited? boolean
| | |   +--ro is-mode-inherited?    boolean
| | |   +--ro is-sample-recording-inherited? boolean
| | |   +--ro working-status?       uint8
| | |   +--ro num-samples-collected? uint32
| | |   +--ro last-sample-traffic-rate? uint32
| | |   +--ro maximum-of-samples-collected? uint32
| | |   +--ro maximum-of-underflow-samples? uint32
| | |   +--ro overflow-count?       uint32
| | |   +--ro underflow-count?      uint32
| | |   +--ro time-to-adjustment?    uint32
| | |   +--ro adjustment-status?     uint8
| | |   +--ro previous-bandwidth?    uint32
| | |   +--ro new-bandwidth?         uint32
| | |   +--ro adjustment-reason?     uint8
| | |   +--ro time-of-last-adjustment? string
| | | +--ro instances* [instance-id lsp-id]
| | |   +--ro instance-id            uint32
| | |   +--ro lsp-id                 uint32
| | |   +--ro current-instance?     boolean
| | |   +--ro new-instance?         boolean
| | |   +--ro old-instance?         boolean
| | |   +--ro is-primary?           boolean
| | |   +--ro is-current-secondary? boolean
| | |   +--ro is-selected-secondary? boolean

```

			+--ro instance-admin-up?	boolean
			+--ro instance-is-up?	boolean
			+--ro instance-is-active?	boolean
			+--ro is-adaptive?	boolean
			+--ro is-bypass?	boolean
			+--ro is-dynamic-bypass?	boolean
			+--ro config-admin-up?	boolean
			+--ro config-from-address-configured?	boolean
			+--ro config-from-address?	inet:ipv4-address
			+--ro config-to-address?	inet:ipv4-address
			+--ro config-type-bypass?	boolean
			+--ro config-type-dynamic?	boolean
			+--ro config-adaptive?	boolean
			+--ro config-ospf-area?	inet:ipv4-address
			+--ro config-isis-level?	uint32
			+--ro config-number-of-retries-configured?	boolean
			+--ro config-number-of-retries?	uint32
			+--ro config-path-select-mode?	lsp-path-selection-mode
			+--ro config-path-selected-path?	lsp-selected-path
			+--ro config-path-selected-secondary-name?	string
			+--ro config-revert-time-configured?	boolean
			+--ro config-revert-time?	uint32
			+--ro config-retry-count-configured?	boolean
			+--ro config-retry-count?	uint32
			+--ro config-enable-ldp-tunnelling?	boolean
			+--ro config-shortcut-ospf?	boolean
			+--ro config-shortcut-area-configured?	boolean
			+--ro config-shortcut-area?	uint32
			+--ro config-notify-ospf?	boolean
			+--ro config-shortcut-isis?	boolean
			+--ro config-isis-shortcut-level-configured?	boolean
			+--ro config-isis-shortcut-level?	uint32
			+--ro config-notify-isis?	boolean
			+--ro config-metric-configured?	boolean
			+--ro config-metric?	uint32
			+--ro config-ospf-ignore-metric?	boolean
			+--ro config-ospf-relative-metric?	uint32
			+--ro config-ospf-announce-metric?	boolean
			+--ro config-ospf-aaf?	uint32
			+--ro config-isis-ignore-metric?	boolean
			+--ro config-isis-relative-metric?	uint32
			+--ro config-isis-announce-configured?	boolean
			+--ro config-isis-announce-metric?	uint32
			+--ro config-path-configured?	boolean
			+--ro config-path?	string
			+--ro config-reoptimize-timer-configured?	boolean
			+--ro config-reoptimize-time?	uint32
			+--ro config-tspec-mtu-configured?	boolean
			+--ro config-tspec-mtu?	uint32
			+--ro config-cos-configured?	boolean
			+--ro config-cos?	uint8
			+--ro config-mtu-configured?	boolean
			+--ro config-mtu?	uint32
			+--ro config-tie-breaking-configured?	boolean
			+--ro config-tie-break-random?	boolean
			+--ro config-tie-break-least-fill?	boolean
			+--ro config-tie-break-most-fill?	boolean
			+--ro config-cspf-disabled?	boolean
			+--ro config-rro-disabled?	boolean
			+--ro config-hot-standby?	boolean
			+--ro config-pinned?	boolean
			+--ro config-persistent?	boolean
			+--ro config-frr-global-revertive?	boolean
			+--ro config-frr-hold-time?	uint32

			+++ro	config-soft-preempt?	boolean
			+++ro	config-exclude-interface-change?	boolean
			+++ro	config-priority-configured?	boolean
			+++ro	config-setup-priority?	uint8
			+++ro	config-holding-priority?	uint8
			+++ro	config-hop-limit-configured?	boolean
			+++ro	config-hop-limit?	uint8
			+++ro	config-traffic-eng-rate-configured?	boolean
			+++ro	config-traffic-eng-mean-rate?	uint32
			+++ro	config-traffic-eng-max-rate?	uint32
			+++ro	config-traffic-eng-max-burst?	uint32
			+++ro	config-abw-configured?	boolean
			+++ro	config-bfd-configured?	boolean
			+++ro	config-admin-group-configured?	boolean
			+++ro	config-cspf-computation-mode?	lsp-cspf-computation-mode
			+++ro	path-computed-by-cspf?	boolean
			+++ro	path-computed-by-interface-constraint?	boolean
			+++ro	cspf-computation-mode?	lsp-cspf-computation-mode
			+++ro	cspf-group-computation-mode-default?	boolean
			+++ro	cspf-group-computation-mode-add-penalty?	boolean
			+++ro	cspf-group-computation-mode-exclude-groups?	boolean
			+++ro	cspf-group-computation-mode-high-cost?	boolean
			+++ro	cspf-path-cost?	uint32
			+++ro	cspf-path-area?	uint32
			+++ro	cspf-computation-error?	uint32
			+++ro	cspf-exclude-hops-present?	boolean
			+++ro	rsvp-session-present?	boolean
			+++ro	rsvp-session-state-up?	boolean
			+++ro	rsvp-session-state?	uint8
			+++ro	rsvp-session-path-error-code?	uint32
			+++ro	rsvp-session-path-error-value?	uint32
			+++ro	rsvp-session-path-error-node-address?	inet:ipv4-address
			+++ro	rsvp-session-rro-hops-present?	boolean
			+++ro	config-exclude-interface-configured?	boolean
			+++ro	maximum-bandwidth?	uint32
			+++ro	unreserved-priority-0-bandwidth?	uint32
			+++ro	unreserved-priority-1-bandwidth?	uint32
			+++ro	unreserved-priority-2-bandwidth?	uint32
			+++ro	unreserved-priority-3-bandwidth?	uint32
			+++ro	unreserved-priority-4-bandwidth?	uint32
			+++ro	unreserved-priority-5-bandwidth?	uint32
			+++ro	unreserved-priority-6-bandwidth?	uint32
			+++ro	unreserved-priority-7-bandwidth?	uint32
			+++ro	config-frr-configured?	boolean
			+++ro	config-frr-one-to-one?	boolean
			+++ro	config-frr-one-to-many?	boolean
			+++ro	config-frr-priority-configured?	boolean
			+++ro	config-frr-setup-priority?	uint8
			+++ro	config-frr-holding-priority?	uint8
			+++ro	config-frr-hop-limit-configured?	boolean
			+++ro	config-frr-hop-limit?	uint8
			+++ro	config-frr-bandwidth-inherited?	boolean
			+++ro	config-frr-bandwidth-configured?	boolean
			+++ro	config-frr-bandwidth?	uint32
			+++ro	config-frr-admin-group-configured?	boolean
			+++ro	reoptimize-ignore-count?	uint32
			+++ro	reoptimize-time-count?	uint32
			+++ro	instance-frr-configured?	uint32
			+++ro	instance-frr-up?	uint32
			+++ro	instance-frr-active?	uint32
			+++ro	instance-out-port-id?	uint32
			+++ro	instance-out-port-name?	string
			+++ro	instance-out-label?	uint32
			+++ro	instance-revert-time?	uint32

```

| | | +--ro instance-retry-count?                uint32
| | | +--ro instance-up-down-count?            uint32
| | | +--ro instance-metric?                  uint8
| | | +--ro instance-down-reason?             string
| | | +--ro current-signaled-mean-rate?      uint32
| | | +--ro config-exclude-interfaces*       string
| | | +--ro lsp-hops* [hop-index hop-address]
| | | | +--ro hop-index                       uint32
| | | | +--ro hop-address                     inet:ipv4-address
| | | | +--ro lsp-hop-type?                  lsp-hop-type
| | | | +--ro is-strict-hop?                 boolean
| | | | +--ro hop-is-router-id?             boolean
| | | | +--ro protection?                   boolean
| | | | +--ro node-protection?               boolean
| | | | +--ro bandwidth-protection?         boolean
| | | | +--ro protection-in-use?            boolean
| | | +--ro auto-bandwidth
| | | | +--ro config-template?                string
| | | | +--ro adjustment-interval?           uint32
| | | | +--ro adjustment-threshold?         uint32
| | | | +--ro maximum-bandwidth?            uint32
| | | | +--ro minimum-bandwidth?            uint32
| | | | +--ro overflow-limit?                uint32
| | | | +--ro underflow-limit?              uint32
| | | | +--ro mode?                          autobw-mode
| | | | +--ro sample-recording?              boolean
| | | +--ro admin-group-lists* [list-type]
| | | | +--ro list-type                       lsp-admin-group-list-type
| | | | +--ro admin-group* [admin-group-id]
| | | | | +--ro admin-group-id                uint32
| | | | | +--ro admin-group-name?            string
| | | | | +--ro exclude-any?                 boolean
| | | | | +--ro include-all?                boolean
| | | | | +--ro include-any?                 boolean
| | | +--ro secondary-path* [path-name instance-id]
| | | | +--ro path-name                       string
| | | | +--ro instance-id                     boolean
| | | | +--ro path-up?                         boolean
| | | | +--ro active?                          boolean
| | | | +--ro committed?                       boolean
| | | | +--ro is-new-instance?                 boolean
| | | | +--ro is-current-secondary?            boolean
| | | | +--ro is-selected-secondary?           boolean
| | | | +--ro config-adaptive?                 boolean
| | | | +--ro config-reoptimize-timer-configured? boolean
| | | | +--ro config-reoptimize-timer?         uint32
| | | | +--ro config-reoptimize-timer-count?   uint32
| | | | +--ro config-tspec-mtu-configured?     boolean
| | | | +--ro config-tspec-mtu?                uint32
| | | | +--ro config-cos-configured?           boolean
| | | | +--ro config-cos?                       uint32
| | | | +--ro config-mtu-configured?           boolean
| | | | +--ro config-mtu?                       uint32
| | | | +--ro config-tie-breaking-configured?  boolean
| | | | +--ro config-tie-break-random?          boolean
| | | | +--ro config-tie-break-least-fill?     boolean
| | | | +--ro config-tie-break-most-fill?     boolean
| | | | +--ro config-cspf-disabled?            boolean
| | | | +--ro config-rro-disabled?             boolean
| | | | +--ro config-hot-standby?              boolean
| | | | +--ro config-pinned?                   boolean
| | | | +--ro config-persistent?               boolean
| | | | +--ro config-soft-preempt?             boolean
| | | | +--ro config-priority-configured?      boolean

```

```

| | +--ro config-setup-prority?          uint8
| | +--ro config-holding-prority?      uint8
| | +--ro config-hop-limit-configured? boolean
| | +--ro config-hop-limit?           uint8
| | +--ro config-traffic-eng-rate-configured? boolean
| | +--ro config-traffic-eng-mean-rate? uint32
| | +--ro config-traffic-eng-max-rate?  uint32
| | +--ro config-traffic-eng-max-burst? uint32
| | +--ro config-abw-configured?       boolean
| | +--ro config-cspf-computation-mode? lsp-cspf-computation-mode
| | +--ro config-admin-group-configured? boolean
| | +--ro admin-group-lists* [list-type]
| | | +--ro list-type      lsp-admin-group-list-type
| | | +--ro admin-group* [admin-group-id]
| | | | +--ro admin-group-id      uint32
| | | | +--ro admin-group-name?   string
| | | | +--ro exclude-any?       boolean
| | | | +--ro include-all?      boolean
| | | | +--ro include-any?       boolean
| | | +--ro auto-bandwidth
| | | | +--ro config-template?    string
| | | | +--ro adjustment-interval? uint32
| | | | +--ro adjustment-threshold? uint32
| | | | +--ro maximum-bandwidth?  uint32
| | | | +--ro minimum-bandwidth?  uint32
| | | | +--ro overflow-limit?     uint32
| | | | +--ro underflow-limit?    uint32
| | | | +--ro mode?              autobw-mode
| | | | +--ro sample-recording?   boolean
| | +--ro forwarding-entry* [entry-index sync-index]
| | | +--ro entry-index      uint32
| | | +--ro sync-index       uint32
| | | +--ro dest-ip-prefix?  inet:ipv4-prefix
| | | +--ro in-label?        uint32
| | | +--ro out-label?       uint32
| | | +--ro protocol?        mpls-protocol
| | | +--ro out-interface-name? string
| | | +--ro nexthop-ip-addr?  inet:ipv4-address
| | | +--ro type?            mpls-forwarding-entry-type
| | | +--ro isis-level?      uint32
| | +--ro route* [entry-index]
| | | +--ro entry-index      uint32
| | | +--ro outseg-index?    uint32
| | | +--ro dest-ip-prefix?  inet:ipv4-prefix
| | | +--ro gateway-ip-addr? inet:ipv4-address
| | | +--ro out-interface-name? string
| | | +--ro out-label?       uint32
| | | +--ro protocol?        mpls-protocol
| | | +--ro vif-index?       uint32
| | | +--ro metric?          uint32
| | | +--ro use-count?       uint32
| | | +--ro isis-level?      uint32
| | +--ro tunnel-traffic-statistics* [index]
| | | +--ro number-of-packets?      uint64
| | | +--ro number-of-packets-since-clear? uint64
| | | +--ro number-of-bytes?        uint64
| | | +--ro number-of-bytes-since-clear? uint64
| | | +--ro packets-per-second?     uint64
| | | +--ro bytes-per-second?       uint64
| | | +--ro averaging-interval-seconds? uint32
| | | +--ro index                    uint32
| | | +--ro protocol?                mpls-protocol
| | | +--ro name?                     string
| | | +--ro is-bypass?                boolean

```

```

| | +--ro statistics-valid?          boolean
| +--ro transit-traffic-statistics* [in-label]
| | +--ro number-of-packets?        uint64
| | +--ro number-of-packets-since-clear?  uint64
| | +--ro number-of-bytes?          uint64
| | +--ro number-of-bytes-since-clear?  uint64
| | +--ro packets-per-second?       uint64
| | +--ro bytes-per-second?         uint64
| | +--ro averaging-interval-seconds?  uint32
| | +--ro in-label                  uint32
| | +--ro protocol?                 mpls-protocol
| | +--ro statistics-valid?         boolean
+--ro sr-state
| +--ro tunnels
| | +--ro total-tunnel-count?      uint32
| | +--ro sr-tunnels* [tunnel-destination prefix-length]
| | | +--ro tunnel-interface-index?  uint32
| | | +--ro tunnel-metric?          uint32
| | | +--ro name?                   string
| | | +--ro tunnel-lsp-state?       uint32
| | | +--ro tunnel-vif?             uint32
| | | +--ro protocol-type?         mpls-protocol
| | | +--ro out-segments* [outgoing-interface]
| | | | +--ro outgoing-interface    string
| | | | +--ro next-hop-ipaddress?   inet:ipv4-address
| | | +--ro tunnel-destination      inet:ipv4-address
| | | +--ro prefix-length           uint32
| +--ro summary
| | +--ro load-sharing?             uint8
| | +--ro tunnel-metric?           uint16
| | +--ro current-srgb-range
| | | +--ro lower-range-value?     uint32
| | | +--ro upper-range-value?     uint32
| | +--ro pending-srgb-range
| | | +--ro lower-range-value?     uint32
| | | +--ro upper-range-value?     uint32
+--ro tunnel-status-state* [tunnel-destination]
  +--ro tunnel-destination          uint32
  +--ro oper-status?                boolean

```

brocade-nameserver

This module provides the means for monitoring the operation and configuring some parameters, of one or more instances of the Fibre Channel Name Server functionality.

The Fibre Channel Name Server provides a way for N_Ports and NL_Ports to register and discover Fibre Channel attributes. Such attributes include names, addresses, types, features, and so on, at various protocol layers, including upper layer protocols specific to Fibre Channel, which are sometimes referred to as FC-4s.

Physically, Fibre Channel is an interconnection of multiple communication points, called N_Ports, interconnected either by a switching network, called a fabric, or by a point-to-point link. A Fibre Channel “node” consists of one or more N_Ports. A fabric may consist of multiple Interconnect Elements, some of which are switches. An N_Port connects to the fabric by way of a port on a switch called an F_Port. When multiple FC nodes are connected to a single port on a switch by way of an Arbitrated Loop topology, the switch port is called an FL_Port, and the nodes' ports are called NL_Ports. The term Nx_Port is used to refer to either an N_Port or an NL_Port.

RPCs

```

rpcs:
  +---x get-nameserver-detail
    +---ro output
      +---ro show-nameserver* [nameserver-portid]
        +---ro nameserver-portid          nameserver-portid-type
        +---ro nameserver-portname?       common-def:wwn-type
        +---ro nameserver-nodename?       common-def:wwn-type
        +---ro nameserver-scr?             uint32
        +---ro nameserver-fc4s?           nameserver-fc4s-type
        +---ro nameserver-portsymb?       nameserver-symbolic-name-type
        +---ro nameserver-nodesymb?       nameserver-symbolic-name-type
        +---ro nameserver-fabric-portname? common-def:wwn-type
        +---ro nameserver-permanent-portname? common-def:wwn-type
        +---ro nameserver-devicetype?     nameserver-devicetype-type
        +---ro nameserver-index?          uint32
        +---ro nameserver-porttype?       nameserver-porttype-type
        +---ro nameserver-cos?            nameserver-cos-type
        +---ro nameserver-sharearea?      nameserver-sharearea-type
        +---ro nameserver-redirect?       nameserver-redirect-type
        +---ro nameserver-xlatedomain?    nameserver-xlatedomain-type
        +---ro nameserver-connected-via-ag? nameserver-connected-via-ag-type
        +---ro nameserver-ag-base-device? nameserver-ag-base-device-type
        +---ro nameserver-real?           nameserver-real-type
        +---ro nameserver-cascaded?       nameserver-cascaded-type

```

brocade-netconf-ext

RPCs

```
rpcs:
  +---x get-netconf-client-capabilities
  +---w input
  | +---w session-id?  uint32
  +--ro output
  +--ro session* []
    +--ro session-id?  uint32
    +--ro user-name?   string
    +--ro vendor?      string
    +--ro product?     string
    +--ro version?     string
    +--ro identity?    string
    +--ro af-type?     enumeration
    +--ro host-ip-v6?  inet:ipv6-address
    +--ro host-ip?     inet:ipv4-address
    +--ro time?        ietfyang:date-and-time
```

brocade-nsm-operational

Top-level container

```

module: brocade-nsm-operational
  +--ro bridge-domain-state
  | +--ro intf-name?          string
  | +--ro bridge-domain-counter
  | | +--ro no-of-bd?        uint32
  | | +--ro no-of-vpls-bd?   uint32
  | +--ro bridge-domain-list* [bd-id]
  |   +--ro bd-id            uint32
  |   +--ro vc-id?          uint32
  |   +--ro active-ac-lif-count?  uint16
  |   +--ro config-ac-lif-count?  uint16
  |   +--ro active-vfi-lif-count?  uint16
  |   +--ro config-vfi-lif-count?  uint16
  |   +--ro local-switching?    boolean
  |   +--ro block-bpdu?        boolean
  |   +--ro bd-type?          uint16
  |   +--ro ve-ifindex?       uint32
  |   +--ro ve-id?           uint32
  |   +--ro pw-profile?       string
  |   +--ro mac-limit?       uint16
  |   +--ro statistics?      boolean
  |   +--ro mac-addr-withdrawal?  boolean
  |   +--ro mct-enabled?      boolean
  |   +--ro description?     string
  |   +--ro mac-learning-disable?  boolean
  |   +--ro outer-vlan-list* [outer-vlan]
  |     +--ro outer-vlan      uint32
  |     +--ro no-of-up-tagged-ports?  uint32
  |     +--ro no-of-up-untagged-ports?  uint32
  |     +--ro untagged-ports-list* [lif-name]
  |       +--ro lif-name      string
  |       +--ro lif-ifindex?  uint32
  |       +--ro lif-main-intf-type?  nsm-dcm-lif-main-intf-type
  |       +--ro outer-vlan?   uint32
  |       +--ro flags?        uint32
  |       +--ro ivid?         uint32
  |       +--ro encap-id?     uint32
  |       +--ro ingress-stats-id?  uint32
  |       +--ro egress-stats-id?  uint32
  |       +--ro op-state?     boolean
  |       +--ro service-instance?  uint32
  |     +--ro tagged-ports-list* [lif-name]
  |       +--ro lif-name      string
  |       +--ro lif-ifindex?  uint32
  |       +--ro lif-main-intf-type?  nsm-dcm-lif-main-intf-type
  |       +--ro outer-vlan?   uint32
  |       +--ro inner-vlan?   uint32
  |       +--ro flags?        uint32
  |       +--ro ivid?         uint32
  |       +--ro encap-id?     uint32
  |       +--ro ingress-stats-id?  uint32
  |       +--ro egress-stats-id?  uint32
  |       +--ro op-state?     boolean
  |       +--ro service-instance?  uint32
  +--ro logical-interface-state
  | +--ro main-interface-physical* [interface-index intf-name]
  | | +--ro protocol-status?    boolean
  | | +--ro admin-status?      boolean

```

```

| | +--ro counters* [implicit-lifs explicit-lifs]
| | | +--ro lif-type?          intf-type
| | | +--ro total-lifs?        uint32
| | | +--ro protocol-status-up-lifs?  uint32
| | | +--ro binded-lifs?       uint32
| | | +--ro unbinded-lifs?     uint32
| | | +--ro implicit-lifs      uint32
| | | +--ro explicit-lifs      uint32
| | +--ro interface-index      uint32
| | +--ro intf-type?           intf-type
| | +--ro intf-name            string
| | +--ro is-tagged?           boolean
| | +--ro port-mode?           string
| | +--ro logical-interface-physical* [logical-interface-name]
| |   +--ro source-type?       string
| |   +--ro protocol-status?   boolean
| |   +--ro admin-status?      boolean
| |   +--ro lif-index?         uint32
| |   +--ro bridge-domain-index?  uint32
| |   +--ro interface-name?    string
| |   +--ro is-binded?         boolean
| |   +--ro logical-interface-name  string
| |   +--ro outer-vlan-id?     uint32
| |   +--ro inner-vlan-id?     uint32
| |   +--ro intf-type?         intf-type
| |   +--ro is-tagged?         boolean
| +--ro main-interface-pseudo-wire* [interface-index]
| | +--ro protocol-status?     boolean
| | +--ro admin-status?        boolean
| | +--ro counters* [implicit-lifs explicit-lifs]
| | | +--ro lif-type?          intf-type
| | | +--ro total-lifs?        uint32
| | | +--ro protocol-status-up-lifs?  uint32
| | | +--ro binded-lifs?       uint32
| | | +--ro unbinded-lifs?     uint32
| | | +--ro implicit-lifs      uint32
| | | +--ro explicit-lifs      uint32
| | +--ro interface-index      uint32
| | +--ro logical-interface-pseudo-wire* [logical-interface-name]
| |   +--ro source-type?       string
| |   +--ro protocol-status?   boolean
| |   +--ro admin-status?      boolean
| |   +--ro lif-index?         uint32
| |   +--ro bridge-domain-index?  uint32
| |   +--ro interface-name?    string
| |   +--ro is-binded?         boolean
| |   +--ro logical-interface-name  string
| |   +--ro ip-address?        inet:ipv4-address
| +--ro main-interface-tunnel* [interface-index]
| | +--ro protocol-status?     boolean
| | +--ro admin-status?        boolean
| | +--ro counters* [implicit-lifs explicit-lifs]
| | | +--ro lif-type?          intf-type
| | | +--ro total-lifs?        uint32
| | | +--ro protocol-status-up-lifs?  uint32
| | | +--ro binded-lifs?       uint32
| | | +--ro unbinded-lifs?     uint32
| | | +--ro implicit-lifs      uint32
| | | +--ro explicit-lifs      uint32
| | +--ro interface-index      uint32
| | +--ro logical-interface-tunnel* [logical-interface-name]
| |   +--ro source-type?       string
| |   +--ro protocol-status?   boolean
| |   +--ro admin-status?      boolean

```

```

|         +--ro lif-index?                uint32
|         +--ro bridge-domain-index?     uint32
|         +--ro interface-name?          string
|         +--ro is-binded?                boolean
|         +--ro logical-interface-name   string
|         +--ro vni-tni?                  uint32
+--ro packet-encap-processing-state
|   +--ro packet-encap-info-list
|   |   +--ro port-name?      string
|   |   +--ro link-status?   string
|   |   +--ro encap-type?    string
|   |   +--ro strip-status?  string
+--ro sub-interface-statistics-state
|   +--ro vlan-statistics* [vlan-id]
|   |   +--ro vlan-id        uint32
|   |   +--ro port-statistics* [port-id]
|   |   |   +--ro rx-packets?  uint64
|   |   |   +--ro tx-packets?  uint64
|   |   |   +--ro rx-bytes?   uint64
|   |   |   +--ro tx-bytes?   uint64
|   |   |   +--ro port-id     uint32
|   |   |   +--ro port-name?  string
|   |   +--ro bridge-domain-statistics* [bd-id]
|   |   |   +--ro bd-id        uint32
|   |   |   +--ro lif-statistics* [lif-id]
|   |   |   |   +--ro rx-packets?  uint64
|   |   |   |   +--ro tx-packets?  uint64
|   |   |   |   +--ro rx-bytes?   uint64
|   |   |   |   +--ro tx-bytes?   uint64
|   |   |   |   +--ro lif-id     uint32
|   |   |   |   +--ro lif-name?  string
+--ro topology-group-state
|   +--ro topology-group-data* [topology-group-id]
|   |   +--ro topology-group-id  uint16
|   |   +--ro l2-protocol?       string
|   |   +--ro master-vlan
|   |   |   +--ro vlan-id?       uint16
|   |   |   +--ro control-ports? string
|   |   |   +--ro free-ports?   string
|   |   +--ro member-vlan* [vlan-id]
|   |   |   +--ro vlan-id        uint16
|   |   |   +--ro free-ports?   string
|   |   +--ro member-bd* [bd-id]
|   |   |   +--ro bd-id          uint32
|   |   |   +--ro free-ports?   string
+--ro vpn-statistics-state
|   +--ro vpn-vrf-statistics* [vrf-name]
|   |   +--ro vrf-name           string
|   |   +--ro tunnel-in-pkt?    uint32
|   |   +--ro tunnel-out-pkt?   uint32

```

brocade-ntp

Top-level container

```

module: brocade-ntp
  +--rw ntp
    +--rw server* [ip]
      | +--rw ip                          inet:ip-address
      | +--rw use-vrf?                    vrf-ntp
      | +--rw key?                        uint32
      | +--rw version?                    uint32
      | +--rw minpoll?                    uint32
      | +--rw maxpoll?                    uint32
      | +--rw source-interface-type?      aaa:track-iftype
      | +--rw source-interface-number?    string-type
    +--rw authentication-key* [keyid]
      | +--rw keyid                       uint32
      | +--rw encryption-type?            enc_type
      | +--rw encryption-key?             string
      | +--rw encryption-level?          enumeration
    +--rw peer* [peer-ip]
      | +--rw peer-ip                      inet:ip-address
      | +--rw peer-use-vrf?                vrf-ntp
      | +--rw peer-key?                    uint32
      | +--rw peer-version?                uint32
      | +--rw peer-minpoll?                uint32
      | +--rw peer-maxpoll?                uint32
      | +--rw source-interface-type?      aaa:track-iftype
      | +--rw source-interface-number?    string-type
    +--rw source-ip?                       srcip_type
    +--rw disable
      | +--rw all?                         empty
      | +--rw serve?                       empty
    +--rw authenticate?                    empty
    +--rw trusted-key*                     trust-key
  
```

RPCs

Return address of the active NTP server:

```

rpcs:
  +---x show-ntp
    +--ro output
      +--ro active-server?  string
  
```

brocade-onie-grub

Top-level container

```

module: brocade-update-onie
  +--rw update
  |   +--rw onie
  |   |   +---x scp
  |   |   |   +---w input
  |   |   |   |   +---w user           string
  |   |   |   |   +---w password?     string
  |   |   |   |   +---w host           string
  |   |   |   |   +---w directory     string
  |   |   |   |   +---w file?         string
  |   |   |   |   +---w use-vrf?      common-def:use-vrf
  |   |   |   +--ro output
  |   |   |   |   +--ro upgrade-msg?   string
  |   |   +---x ftp
  |   |   |   +---w input
  |   |   |   |   +---w user           string
  |   |   |   |   +---w password?     string
  |   |   |   |   +---w host           string
  |   |   |   |   +---w directory     string
  |   |   |   |   +---w file?         string
  |   |   |   |   +---w use-vrf?      common-def:use-vrf
  |   |   |   +--ro output
  |   |   |   |   +--ro upgrade-msg?   string
  |   |   +---x sftp
  |   |   |   +---w input
  |   |   |   |   +---w user           string
  |   |   |   |   +---w password?     string
  |   |   |   |   +---w host           string
  |   |   |   |   +---w directory     string
  |   |   |   |   +---w file?         string
  |   |   |   |   +---w use-vrf?      common-def:use-vrf
  |   |   +--ro output
  |   |   |   +--ro upgrade-msg?     string

```

Actions

Show the onie status:

```

module: brocade-chassis
  |   +--rw firmware:update
  |   |   +---x firmware:onieversion
  |   |   |   +--ro firmware:output
  |   |   |   |   +--ro firmware:onie-ver?   string
  |   |   +---x firmware:grubversion
  |   |   |   +--ro firmware:output
  |   |   |   |   +--ro firmware:grub-ver?   string

```

brocade-ospf

External augmentations

```

+--rw ospf:interface-eth-ospf-conf
  | | | | +--rw ospf:ospf1
  | | | |   +--rw ospf:area?                ospf-area-id
  | | | |   +--rw ospf:auth-change-wait-time? common-def:time-interval-sec
  | | | |   +--rw ospf:authentication-key
  | | | |   | +--rw ospf:no-encrypt-auth-key-table
  | | | |   | | +--rw ospf:no-encrypt-auth-key? ospf-auth-psswd-string
  | | | |   | +--rw ospf:auth-key-table
  | | | |   |   +--rw ospf:encrypttype?    key-type
  | | | |   |   +--rw ospf:auth-key?      ospf-auth-psswd-string
  | | | |   +--rw ospf:hello-interval?    common-def:time-interval-sec
  | | | |   +--rw ospf:dead-interval?     common-def:time-interval-sec
  | | | |   +--rw ospf:retransmit-interval? common-def:time-interval-sec
  | | | |   +--rw ospf:transmit-delay?    common-def:time-interval-sec
  | | | |   +--rw ospf:md5-authentication
  | | | |   | +--rw ospf:key-activation-wait-time? common-def:time-interval-sec
  | | | |   | +--rw ospf:no-encrypt-key-table
  | | | |   | | +--rw ospf:no-encrypt-key-id?  uint32
  | | | |   | | +--rw ospf:no-encrypt-key?    ospf-auth-psswd-string
  | | | |   | +--rw ospf:key-table
  | | | |   |   +--rw ospf:key-id?           uint32
  | | | |   |   +--rw ospf:key?             key-type
  | | | |   |   +--rw ospf:md5-authentication-key? ospf-auth-psswd-string
  | | | |   +--rw ospf:cost?                uint32
  | | | |   +--rw ospf:network?             enumeration
  | | | |   +--rw ospf:intf-ldp-sync?       enumeration
  | | | |   +--rw ospf:database-filter
  | | | |   | +--rw ospf:all-out?           empty
  | | | |   | +--rw ospf:all-external?     database-filter-options
  | | | |   | +--rw ospf:all-summary-external? database-filter-options
  | | | |   +--rw ospf:mtu-ignore?         empty
  | | | |   +--rw ospf:active?             empty
  | | | |   +--rw ospf:passive?            empty
  | | | |   +--rw ospf:priority?          uint32
  | | | |   +--rw ospf:bfd
  | | | |   +--rw ospf:intf-bfd-enable?    empty

```


brocade-pim

External augmentations

```

module: brocade-interface
+--rw pim:pim-intf-phy-cont
  | | |   +--rw pim:pim-int-cmd
  | | |   +--rw pim:pim-sparse?          empty
  | | |   +--rw pim:pim
  | | |   | +--rw pim:neighbor-filter?   ip-prefix-name-t
  | | |   | +--rw pim:dr-priority?      uint32
  | | |   | +--rw pim:ttl-threshold?    uint32
  | | |   +--rw pim:mcast-bdry-prefix-list? ip-prefix-name-t

module: brocade-interface
+--rw pim:pim-intf-vlan-cont
  | | |   +--rw pim:pim-int-cmd
  | | |   +--rw pim:pim-sparse?          empty
  | | |   +--rw pim:pim
  | | |   | +--rw pim:neighbor-filter?   ip-prefix-name-t
  | | |   | +--rw pim:dr-priority?      uint32
  | | |   | +--rw pim:ttl-threshold?    uint32
  | | |   +--rw pim:mcast-bdry-prefix-list? ip-prefix-name-t

module: brocade-interface
+--rw pim:pim-intf-loopback-cont
  | | |   +--rw pim:pim-int-cmd
  | | |   +--rw pim:pim-sparse?          empty
  | | |   +--rw pim:pim
  | | |   | +--rw pim:neighbor-filter?   ip-prefix-name-t
  | | |   | +--rw pim:dr-priority?      uint32
  | | |   | +--rw pim:ttl-threshold?    uint32
  | | |   +--rw pim:mcast-bdry-prefix-list? ip-prefix-name-t

```

brocade-pim-operational

Top-level container

```

module: brocade-pim-operational
  +--ro pim-mdt-state
  | +--ro local-vtep-address?  inet:ipv4-address
  | +--ro mdt-join-role?      mdt-join-role-type
  | +--ro group* [group-address]
  |   +--ro group-address     inet:ipv4-address
  |   +--ro is-default?      boolean
  |   +--ro tunnel-info* [id]
  |     | +--ro id             uint32
  |     | +--ro ifindex?     uint32
  |     | +--ro state?       mdt-tunnel-state-type
  |     +--ro peer* [source-address]
  |       | +--ro source-address  inet:ipv4-address
  |       +--ro rx-path* [source-vtep-address]
  |         | +--ro source-vtep-address  inet:ipv4-address
  |         | +--ro incoming-interface?  string
  |         | +--ro nexthop-address?     inet:ipv4-address
  |         +--ro tx-path* [outgoing-interface]
  |           | +--ro outgoing-interface  string
  |           | +--ro nexthop-address?   inet:ipv4-address
  |           +--ro bridge-domain* [id]
  |             | +--ro id             uint32
  |             +--ro vlan* [id]
  |               | +--ro id             uint32
  +--ro pim6-anycast-state* [vrf-name anycast-rp]
  | +--ro vrf-name          string
  | +--ro anycast-rp       inet:ipv6-address
  | +--ro prefix-name?    string
  | +--ro peer-list* [ipv6-addr]
  |   +--ro ipv6-addr     inet:ipv6-address
  +--ro pim6-ecmp-state* [vrf-name addr-filter]
  | +--ro vrf-name          string
  | +--ro addr-filter       inet:ipv6-address
  | +--ro pim6-ecmp* [vrf-name src-ip rp-addr]
  |   +--ro vrf-name        string
  |   +--ro src-ip          inet:ipv6-address
  |   +--ro rp-addr         inet:ipv6-address
  |   +--ro upstream-nbr?  inet:ipv6-address
  |   +--ro interface-name? string
  |   +--ro interface-count? uint32
  +--ro pim6-global-state* [vrf-name]
  | +--ro vrf-name          string
  | +--ro enable-status?   boolean
  | +--ro max-mcache?      uint32
  | +--ro current-count?   uint32
  | +--ro hello-interval?  uint16
  | +--ro nbr-timeout?     uint16
  | +--ro jp-interval?     uint32
  | +--ro inact-interval?  uint16
  | +--ro hw-drop-status?  boolean
  | +--ro prune-wait-interval? uint8
  | +--ro reg-suppress-time? uint16
  | +--ro reg-probe-time?  uint16
  | +--ro reg-stop-delay?  uint16
  | +--ro reg-suppress-interval? uint16
  | +--ro ssm-status?      boolean
  | +--ro spt-threshold?   uint32
  | +--ro ssm-default-prefix? string

```

```

| +--ro ssm-prefix-name?      string
| +--ro route-precedence?    string
| +--ro interfaces* [vrf-name]
|   +--ro vrf-name           string
|   +--ro pim6-interface-data* [vrf-name interface-name interface-type]
|     +--ro vrf-name         string
|     +--ro interface-name   string
|     +--ro interface-type   string
|     +--ro enable-status?   boolean
|     +--ro local-ip-addr?   inet:ipv6-address
|     +--ro pim6-version?    uint8
|     +--ro mode?            string
|     +--ro dr-info?         string
|     +--ro ttl-threshold?   uint8
|     +--ro multicast-boundry? string
|     +--ro dr-priority?     uint32
+--ro pim6-mcache-state* [vrf-name src-addr grp-addr]
| +--ro vrf-name             string
| +--ro tot-entry-count?    uint32
| +--ro src-addr             inet:ipv6-address
| +--ro grp-addr             inet:ipv6-address
| +--ro incoming-if?        string
| +--ro rp-addr?            inet:ipv6-address
| +--ro uptime?             string
| +--ro flag-bmp?           uint32
| +--ro is-w-g?             uint8
| +--ro spt?                 uint8
| +--ro rpt?                 uint8
| +--ro reg?                 uint8
| +--ro regsupp?            uint8
| +--ro regprobe?           uint8
| +--ro lsrc?                uint8
| +--ro lrcv?                uint8
| +--ro sp-mode?            uint8
| +--ro ssm-mode?           uint8
| +--ro need-rte?           uint8
| +--ro rpf-info?           string
| +--ro age-mask?           uint32
| +--ro kat?                 uint32
| +--ro join-desired?       boolean
| +--ro pim6-oif* [oif-name]
|   +--ro oif-name          string
|   +--ro age?              string
|   +--ro expiry-time?     uint32
|   +--ro oif-flags?       string
+--ro pim6-mcache-summary-state* [vrf-name]
| +--ro vrf-name            string
| +--ro enable-status?     boolean
| +--ro total-mcache?      uint32
| +--ro num-sg?            uint32
| +--ro num-wg?            uint32
+--ro pim-anycast-state* [vrf-name anycast-rp]
| +--ro vrf-name            string
| +--ro anycast-rp         inet:ipv4-address
| +--ro prefix-name?      string
| +--ro peer-list* [ipv4-addr]
|   +--ro ipv4-addr       inet:ipv4-address
+--ro pim-ecmp-state* [vrf-name addr-filter]
| +--ro vrf-name            string
| +--ro addr-filter         inet:ipv4-address
| +--ro pim-ecmp* [vrf-name src-ip rp-addr]
|   +--ro vrf-name          string
|   +--ro src-ip            inet:ipv4-address
|   +--ro rp-addr           inet:ipv4-address

```

```

|     +--ro upstream-nbr?      inet:ipv4-address
|     +--ro interface-name?   string
|     +--ro interface-count?  uint32
+--ro pim-global-state* [vrf-name]
|   +--ro vrf-name            string
|   +--ro enable-status?     boolean
|   +--ro max-mcache?        uint32
|   +--ro current-count?     uint32
|   +--ro hello-interval?    uint16
|   +--ro nbr-timeout?       uint16
|   +--ro jp-interval?       uint32
|   +--ro inact-interval?    uint16
|   +--ro hw-drop-status?    boolean
|   +--ro prune-wait-interval? uint8
|   +--ro reg-suppress-time?  uint16
|   +--ro reg-probe-time?    uint16
|   +--ro reg-stop-delay?    uint16
|   +--ro reg-suppress-interval? uint16
|   +--ro ssm-status?        boolean
|   +--ro spt-threshold?     uint32
|   +--ro ssm-default-prefix? string
|   +--ro ssm-prefix-name?   string
|   +--ro route-precedence?  string
|   +--ro interfaces* [vrf-name]
|     +--ro vrf-name          string
|     +--ro pim-interface-data* [vrf-name interface-name interface-type]
|       +--ro vrf-name        string
|       +--ro interface-name  string
|       +--ro interface-type  string
|       +--ro enable-status?  boolean
|       +--ro local-ip-addr?  inet:ipv4-address
|       +--ro pim-version?    uint8
|       +--ro mode?           string
|       +--ro dr-info?        string
|       +--ro ttl-threshold?  uint8
|       +--ro multicast-boundry? string
|       +--ro dr-priority?    uint32
+--ro pim-mcache-state* [vrf-name src-addr grp-addr]
|   +--ro vrf-name            string
|   +--ro tot-entry-count?    uint32
|   +--ro src-addr            inet:ipv4-address
|   +--ro grp-addr            inet:ipv4-address
|   +--ro incoming-if?       string
|   +--ro rp-addr?           inet:ipv4-address
|   +--ro uptime?            string
|   +--ro flag-bmp?          uint32
|   +--ro is-w-g?            uint8
|   +--ro spt?                uint8
|   +--ro rpt?                uint8
|   +--ro reg?                uint8
|   +--ro regsupp?           uint8
|   +--ro regprobe?          uint8
|   +--ro lsrc?              uint8
|   +--ro lrcv?              uint8
|   +--ro sp-mode?           uint8
|   +--ro ssm-mode?          uint8
|   +--ro need-rte?          uint8
|   +--ro rpf-info?          string
|   +--ro age-mask?          uint32
|   +--ro kat?                uint32
|   +--ro join-desired?      boolean
|   +--ro mdt?                boolean
|   +--ro pim-oif* [oif-name]
|     +--ro oif-name          string

```

```
|   +--ro age?          string
|   +--ro expiry-time? uint32
|   +--ro oif-flags?   string
+--ro pim-mcache-summary-state* [vrf-name]
    +--ro vrf-name      string
    +--ro enable-status? boolean
    +--ro total-mcache? uint32
    +--ro num-sg?       uint32
    +--ro num-wg?       uint32
```

brocade-port-profile

Top-level container

```

+--rw port-profile* [name]
|   +--rw name                               common-def:name-string128
|   +--rw allow
|   |   +--rw nonprofiledmacs?  empty
|   +--rw vlan-profile!
|   |   +--rw switchport-basic
|   |   |   +--rw basic?  empty
|   |   +--rw switchport
|   |   |   +--rw mode
|   |   |   |   +--rw vlan-mode?  appm-sw-mode-type
|   |   |   +--rw access
|   |   |   |   +--rw vlan
|   |   |   |   |   +--rw name?  interface:vlan-type
|   |   |   +--rw access-mac-vlan-classification
|   |   |   |   +--rw access
|   |   |   |   |   +--rw vlan* [access-vlan-id access-mac-address]
|   |   |   |   |   |   +--rw access-vlan-id      interface:vlan-type
|   |   |   |   |   |   +--rw access-mac-address  interface:mac-address-type
|   |   |   +--rw access-mac-group-vlan-classification
|   |   |   |   +--rw access
|   |   |   |   |   +--rw vlan* [access-vlan-id access-mac-group]
|   |   |   |   |   |   +--rw access-vlan-id      interface:vlan-type
|   |   |   |   |   |   +--rw access-mac-group    uint32
|   |   +--rw trunk
|   |   |   +--rw allowed
|   |   |   |   +--rw vlan
|   |   |   |   |   +--rw all?      empty
|   |   |   |   |   +--rw none?    empty
|   |   |   |   |   +--rw add?     interface:ui32-vlan-range
|   |   |   |   |   +--rw except?  interface:ui32-vlan-range
|   |   |   |   |   +--rw remove?  interface:ui32-vlan-range
|   |   |   +--rw trunk-vlan-classification
|   |   |   |   +--rw allowed
|   |   |   |   |   +--rw vlan
|   |   |   |   |   |   +--rw add* [trunk-vlan-id trunk-ctag-id]
|   |   |   |   |   |   |   +--rw trunk-vlan-id  interface:vlan-type
|   |   |   |   |   |   |   +--rw trunk-ctag-id  interface:dot1q-vlan-type
|   |   |   |   |   |   +--rw remove* [trunk-vlan-id trunk-ctag-id]
|   |   |   |   |   |   |   +--rw trunk-vlan-id  interface:vlan-type
|   |   |   |   |   |   |   +--rw trunk-ctag-id  interface:dot1q-vlan-type
|   |   |   +--rw native-vlan-classification
|   |   |   |   +--rw native-vlan-id?  uint32
|   |   |   |   +--rw native-vlan-ctag-id?  interface:dot1q-vlan-type
|   |   |   +--rw native-vlan?          uint32
|   +--rw qos-profile!
|   |   +--rw cee?  common-def:name-string32
|   |   +--rw qos
|   |   |   +--rw cos?          int32
|   |   |   +--rw trust
|   |   |   |   +--rw trust-cos?  empty
|   |   |   +--rw cos-mutation?  common-def:name-string32
|   |   |   +--rw cos-traffic-class?  common-def:name-string32
|   |   +--rw flowcontrol
|   |   |   +--rw flowcontrolglobal
|   |   |   |   +--rw tx?  enumeration
|   |   |   |   +--rw rx?  enumeration
|   |   |   +--rw pfc* [pfc-cos]
|   |   |   |   +--rw pfc-cos  int32

```

```

| |          +--rw pfc-tx      enumeration
| |          +--rw pfc-rx      enumeration
| +--rw security-profile!
| | +--rw mac
| | | +--rw access-group
| | |   +--rw access-group-name?  mac-access-list:mac-acl-name
| | |   +--rw in?                  empty
| | +--rw ip
| | | +--rw access-group
| | |   +--rw ipv4-access-group-name?  ip-access-list:l3-acl-policy-name
| | |   +--rw ipv4-in?                empty
| | +--rw ipv6
| | | +--rw access-group
| | |   +--rw ipv6-access-group-name?  ip-access-list:l3-acl-policy-name
| | |   +--rw ipv6-in?                empty
| +--rw restrict-flooding-container
|   +--rw restrict-flooding?  empty
+--rw port-profile-global
| +--rw port-profile* [name]
|   +--rw name                common-def:name-string128
|   +--rw activate?          empty
|   +--rw static* [mac-address]
|     +--rw mac-address      mac-access-list:mac-address-type
+--rw port-profile-domain* [port-profile-domain-name]
  +--rw port-profile-domain-name  port-profile-domain-name-type
  +--rw profile* [profile-name]
    +--rw profile-name          port-profile-name-type

```

brocade-preprovision

Top-level container

```
+--rw preprovision
  +--rw rbridge-id* [rbridge-id wwn]
    +--rw rbridge-id    common-def:rbridge-id-type
    +--rw wwn           common-def:wwn-type
```

RPC

```
rpcs:
  +---x show-bare-metal-state
    +--ro output
      +--ro bare-metal-state?  string
```

brocade-pw-profile

Top-level container

```
module: brocade-pw-profile
  +--rw pw-profile* [pw-profile-name]
    +--rw pw-profile-name    common-def:name-string64
    +--rw mtu-value?         uint32
    +--rw mtu-enforce?      boolean
    +--rw vc-mode?          enumeration
    +--rw flow-label?       empty
    +--rw control-word?     empty
```

brocade-pwm-operational

Top-level container

```

module: brocade-pwm-operational
  +--ro vc-peer-state
  | +--ro vc-peer-data* [vc-id]
  | | +--ro vc-id                uint32
  | | +--ro vc-peer-address?    inet:ipv4-address
  | | +--ro vc-peer-state?      string
  | | +--ro vc-peer-uptime?     string
  | | +--ro vc-peer-load-balance? boolean
  | | +--ro vc-peer-cos-enabled? boolean
  | | +--ro vc-peer-cos-value?  uint8
  | | +--ro vc-ldp-tnnl-in-use? string
  | | +--ro vc-local-label?     uint32
  | | +--ro vc-remote-label?    uint32
  | | +--ro vc-local-mtu?       uint32
  | | +--ro vc-remote-mtu?      uint32
  | | +--ro vc-local-type?      uint32
  | | +--ro vc-remote-type?     uint32
  | | +--ro vc-proto-tnnl* [vc-proto-name]
  | | | +--ro vc-proto-name      string
  | | | +--ro vc-ldp-tunnel-id?  uint32
  | | | +--ro vc-ldp-name?       string
  | | | +--ro vc-lsp-name?       string
  | | | +--ro vc-peer-lsp-cos-enabled? boolean
  | | | +--ro vc-peer-lsp-cos-value? uint8
  | | +--ro vc-assigned-lsp* [vc-lsp-name]
  | |   +--ro vc-lsp-name      string
  +--ro bd-vc-peer-state* [vc-id]
  +--ro vc-id                uint32
  +--ro bd-vc-peer-counter
  | +--ro no-of-peer-configured? uint32
  | +--ro no-of-peer-operational? uint32
  +--ro bd-vc-peer-data* [vc-peer-address]
  +--ro vc-peer-address      inet:ipv4-address
  +--ro vc-peer-state?      string
  +--ro vc-peer-uptime?     string
  +--ro vc-peer-load-balance? boolean
  +--ro vc-peer-cos-enabled? boolean
  +--ro vc-peer-cos-value?  uint8
  +--ro vc-ldp-tnnl-in-use? string
  +--ro vc-local-label?     uint32
  +--ro vc-remote-label?    uint32
  +--ro vc-local-mtu?       uint32
  +--ro vc-remote-mtu?      uint32
  +--ro vc-local-type?      uint32
  +--ro vc-remote-type?     uint32
  +--ro vc-local-pw-status?  string
  +--ro vc-remote-pw-status? string
  +--ro vc-local-flow-label-tx? boolean
  +--ro vc-local-flow-label-rx? boolean
  +--ro vc-remote-flow-label-tx? boolean
  +--ro vc-remote-flow-label-rx? boolean
  +--ro vc-local-control-word? boolean
  +--ro vc-remote-control-word? boolean
  +--ro vc-proto-tnnl* [vc-proto-name]
  | +--ro vc-proto-name      string
  | +--ro vc-ldp-tunnel-id?  uint32
  | +--ro vc-ldp-name?       string
  | +--ro vc-lsp-name?       string

```

```
| +--ro vc-peer-lsp-cos-enabled?  boolean
| +--ro vc-peer-lsp-cos-value?    uint8
+--ro vc-assigned-lsp* [vc-lsp-name]
   +--ro vc-lsp-name      string
```

brocade-qos-cee

Top-level container

```

+--rw cee-map* [name]
  | +--rw name                cee-map-name-type
  | +--rw precedence?        int32
  | +--rw priority-group-table* [PGID]
  | | +--rw PGID            qos-type-PGID
  | | +--rw weight?        int32
  | | +--rw pfc             enumeration
  | +--rw priority-table
  |   +--rw map-cos0-pgid?   string
  |   +--rw map-cos1-pgid?   string
  |   +--rw map-cos2-pgid?   string
  |   +--rw map-cos3-pgid?   string
  |   +--rw map-cos4-pgid?   string
  |   +--rw map-cos5-pgid?   string
  |   +--rw map-cos6-pgid?   string
  |   +--rw map-cos7-pgid?   string
+--rw nas
  +--rw auto-qos!
  | +--rw set
  |   +--rw cos?            qos-mls:cos-id-type
  |   +--rw dscp?          qos-mls:dscp-id-type
+--rw server-ip* [server-ip]
  +--rw server-ip          nas-ip-prefix
  +--rw vrf* [vrf-name]
  | +--rw vrf-name         string
+--rw vlan* [vlan-number]
  +--rw vlan-number        interface:vlan-type

```

brocade-qos-cpu

External augmentations

```

module: brocade-qos-mls
  +--rw qos-cpu:cpu
    +--rw qos-cpu:slot [slot-id]
      +--rw qos-cpu:slot-id          slotid
    +--rw qos-cpu:port-group /*drop-node-name*/
      +--rw qos-cpu:port /*alt-name:port*/
        | +--rw qos-cpu:port-shaper /*alt-name:shaper*/
        |   +--rw qos-cpu:port-shaper-rate?          shaper-rate /*alt-name:rate*/
        |   +--rw qos-cpu:port-shaper-burst-size?    burst-size /*alt-name:busrt*/
      +--rw qos-cpu:group [group-id]
        +--rw qos-cpu:group-id          groupid
        +--rw qos-cpu:group-config-shaper-wfq /*drop-node-name*/
          +--rw qos-cpu:group-shaper
            | +--rw qos-cpu:group-shaper-rate?          shaper-rate /*alt-
name:rate*/
            | +--rw qos-cpu:group-shaper-burst-size?    burst-size /*alt-
name:busrt*/
          +--rw qos-cpu:group-wfq
            | +--rw qos-cpu:group-wfq-weight?    weight-value /*alt-name:weight*/
        +--rw qos-cpu:group-prio [group-prio-id] /*drop-node-name*/
          +--rw qos-cpu:group-prio-id          priority /*alt-
name:prio*/
          +--rw qos-cpu:group-prio-config-shaper-wfq /*drop-node-name*/
            +--rw qos-cpu:group-prio-shaper
              | +--rw qos-cpu:group-prio-shaper-rate?          shaper-rate /
*alt-name:rate*/
              | +--rw qos-cpu:group-prio-shaper-burst-size?    burst-size /
*alt-name:busrt*/
            +--rw qos-cpu:group-prio-wfq
              +--rw qos-cpu:group-prio-wfq-weight?    weight-value /*alt-
name:weight*/

```

brocade-qos-mls

External augmentations

```

Module: brocade-qos-mls
+--rw qos
| +--rw map
| | +---rw cos-mutation* [name]
| | | +--rw name map-name-type
| | | +---rw cos-to-cos-mappings* [from-cos]
| | |   +--rw from-cos cos-id-type
| | |   +--rw to
| | |     +--rw to-cos? cos-id-type
| | +---rw cos-traffic-class* [name]
| | | +--rw name map-name-type
| | | +---rw cos-to-tc-dp-mappings* [from-cos]
| | |   +--rw from-cos cos-id-type
| | |   +--rw to
| | |     +--rw to-traffic-class? traffic-class-id-type
| | |     +--rw to-drop-precedence? drop-precedence-id-type
| | +---rw traffic-class-cos* [traffic-class-cos-map-name]
| | | +--rw traffic-class-cos-map-name map-name-type
| | | +---rw tc-dp-to-cos-mapping* [from-traffic-class from-drop-precedence]
| | |   +--rw from-traffic-class traffic-class-id-type
| | |   +--rw from-drop-precedence drop-precedence-id-type
| | |   +--rw to
| | |     +--rw to-cos? cos-id-type
| | +---rw traffic-class-dscp* [name]
| | | +--rw name map-name-type
| | | +---rw traffic-class-to-dscp-mappings* [from-traffic-class from-drop-
precedence]
| | |   +--rw from-traffic-class traffic-class-id-type
| | |   +--rw from-drop-precedence drop-precedence-id-type
| | |   +--rw to
| | |     +--rw to-dscp? dscp-id-type
| | +---rw dscp-mutation* [dscp-mutation-map-name]
| | | +--rw dscp-mutation-map-name map-name-type
| | | +---rw dscp-to-dscp-mapping* [dscp-in-values]
| | |   +--rw dscp-in-values dscp-id-range-type
| | |   +--rw to
| | |     +--rw to-value? dscp-id-type
| | +---rw dscp-traffic-class* [dscp-traffic-class-map-name]
| | | +--rw dscp-traffic-class-map-name map-name-type
| | | +---rw dscp-to-tc-dp-mapping* [dscp-in-values]
| | |   +--rw dscp-in-values dscp-id-range-type
| | |   +--rw to
| | |     +--rw to-value? traffic-class-id-type
| | |     +--rw to-drop-precedence? drop-precedence-id-type
| | +---rw dscp-cos* [dscp-cos-map-name]
| | | +--rw dscp-cos-map-name map-name-type
| | | +---rw dscp-to-cos-mapping* [dscp-in-values]
| | |   +--rw dscp-in-values dscp-id-range-type
| | |   +--rw to
| | |     +--rw to-value? cos-id-type
| +---rw red-profile* [profile-id]
| | +--rw profile-id red-profile-id-type
| | +--rw min-threshold int32
| | +--rw max-threshold int32
| | +--rw drop-probability int32
| | +--rw ecn? enumeration
| +--rw tx-queue
| | +---rw tx-queue-limit? uint32

```

```

| | +--rw scheduler
| |   +--rw strict-priority
| |     +--rw priority-number?      int32
| |     +--rw scheduler-type?      enumeration
| |     +--rw dwrr-traffic-class0?  int32
| |     +--rw dwrr-traffic-class1?  int32
| |     +--rw dwrr-traffic-class2?  int32
| |     +--rw dwrr-traffic-class3?  int32
| |     +--rw dwrr-traffic-class4?  int32
| |     +--rw dwrr-traffic-class5?  int32
| |     +--rw dwrr-traffic-class6?  int32
| |     +--rw dwrr-traffic-class-last? int32
| +--rw rx-queue
| |   +--rw rx-queue-limit?  uint32
+--rw qos-cpu:cpu
  +--rw qos-cpu:slot* [slot-id]
  |   +--rw qos-cpu:slot-id      slotid
  |   +--rw qos-cpu:port-group
  |   |   +--rw qos-cpu:port
  |   |   |   +--rw qos-cpu:port-shaper
  |   |   |   |   +--rw qos-cpu:port-shaper-rate?      shaper-rate
  |   |   |   |   +--rw qos-cpu:port-shaper-burst-size? port-burst-size
  |   |   +--rw qos-cpu:group* [group-id]
  |   |   |   +--rw qos-cpu:group-id          groupid
  |   |   |   +--rw qos-cpu:group-config-shaper-wfq
  |   |   |   |   +--rw qos-cpu:group-shaper
  |   |   |   |   |   +--rw qos-cpu:group-shaper-rate?      shaper-rate
  |   |   |   |   |   +--rw qos-cpu:group-shaper-burst-size? burst-size
  |   |   |   +--rw qos-cpu:group-wfq
  |   |   |   |   +--rw qos-cpu:group-wfq-weight?  weight-value
  |   |   |   +--rw qos-cpu:group-prio* [group-prio-id]
  |   |   |   |   +--rw qos-cpu:group-prio-id          priority
  |   |   |   |   +--rw qos-cpu:group-prio-config-shaper-wfq
  |   |   |   |   |   +--rw qos-cpu:group-prio-shaper
  |   |   |   |   |   |   +--rw qos-cpu:group-prio-shaper-rate?      shaper-rate
  |   |   |   |   |   |   +--rw qos-cpu:group-prio-shaper-burst-size? burst-size
  |   |   |   |   |   +--rw qos-cpu:group-prio-wfq
  |   |   |   |   |   |   +--rw qos-cpu:group-prio-wfq-weight?  weight-value
  |   |   +--rw qos-cpu:queue-config* [queue-num]
  |   |   |   +--rw qos-cpu:queue-num      uint32
  |   |   |   +--rw qos-cpu:queue-rate?    uint32
+--rw storm-control
  +--rw ingress* [protocol-type]
  |   +--rw protocol-type      enumeration
  |   +--rw rate-format?      enumeration
  |   +--rw rate-bps?         rate-limit-bps-type

```

brocade-qos-mpls

Top-level container

```

module: brocade-qos-mpls
  +--rw qos-mpls
    +--rw map
      | +--rw exp-traffic-class* [exp-traffic-class-map-name]
      | | +--rw exp-traffic-class-map-name  map-name-type
      | | +--rw exp* [exp-in-values]
      | |   +--rw exp-in-values  uint32
      | |   +--rw to
      | |     +--rw priority?      uint32
      | |     +--rw drop-precedence?  uint32
      | +--rw traffic-class-exp* [traffic-class-exp-map-name]
      | | +--rw traffic-class-exp-map-name  map-name-type
      | | +--rw priority* [priority-in-values drop-precedence]
      | |   +--rw priority-in-values  uint32
      | |   +--rw drop-precedence    uint32
      | |   +--rw to
      | |     +--rw exp?  uint32
      | +--rw dscp-exp* [dscp-exp-map-name]
      | | +--rw dscp-exp-map-name  map-name-type
      | | +--rw dscp* [dscp-in-values]
      | |   +--rw dscp-in-values  uint32
      | |   +--rw to
      | |     +--rw exp?  uint32
      | +--rw exp-dscp* [exp-dscp-map-name]
      | | +--rw exp-dscp-map-name  map-name-type
      | | +--rw exp* [exp-in-values]
      | |   +--rw exp-in-values  uint32
      | |   +--rw to
      | |     +--rw dscp?  uint32
      | +--rw inexp-outexp* [inexp-outexp-map-name]
      |   +--rw inexp-outexp-map-name  map-name-type
      |   +--rw in-exp* [in-exp-in-values]
      |   +--rw in-exp-in-values  int32
      |   +--rw to
      |     +--rw out-exp?  int32
    +--rw apply-qos-mpls:map-apply
      +--rw apply-qos-mpls:apply-exp-traffic-class-map-name
      | +--rw (apply-qos-mpls:apply-exp-traffic-class)?
      | | +--:(apply-qos-mpls:ca-map-name-cmd1)
      | | | +--rw apply-qos-mpls:map-name-cmd1?  map-name-type
      | | | +--:(apply-qos-mpls:ca-all-zero-map-cmd1)
      | | |   +--rw apply-qos-mpls:all-zero-map-cmd1?  empty
      | | +--rw apply-qos-mpls:All-cmd1?  empty
      +--rw apply-qos-mpls:apply-traffic-class-exp-map-name
      | +--rw (apply-qos-mpls:apply-traffic-class-exp)?
      | | +--:(apply-qos-mpls:ca-map-name-cmd2)
      | | | +--rw apply-qos-mpls:map-name-cmd2?  map-name-type
      | | | +--:(apply-qos-mpls:ca-all-zero-map-cmd2)
      | | |   +--rw apply-qos-mpls:all-zero-map-cmd2?  empty
      | | +--rw apply-qos-mpls:All-cmd2?  empty
      +--rw apply-qos-mpls:apply-dscp-exp-map-name
      | +--rw (apply-qos-mpls:apply-dscp-exp)?
      | | +--:(apply-qos-mpls:ca-map-name-cmd3)
      | | | +--rw apply-qos-mpls:map-name-cmd3?  map-name-type
      | | | +--:(apply-qos-mpls:ca-all-zero-map-cmd3)
      | | |   +--rw apply-qos-mpls:all-zero-map-cmd3?  empty
      | | +--rw apply-qos-mpls:All-cmd3?  empty
      +--rw apply-qos-mpls:apply-exp-dscp-map-name
  
```

```

+--rw (apply-qos-mpls:apply-exp-dscp)?
|  +--:(apply-qos-mpls:ca-map-name-cmd4)
|  |  +--rw apply-qos-mpls:map-name-cmd4?      map-name-type
|  +--:(apply-qos-mpls:ca-all-zero-map-cmd4)
|  |  +--rw apply-qos-mpls:all-zero-map-cmd4?  empty
+--rw apply-qos-mpls:All-cmd4?                  empty

```

brocade-qos-mqc

Top-level container

```

module: brocade-qos-mqc
  +--rw class-map* [name]
  |   +--rw name          class-map-name-type
  |   +--rw match
  |   |   +--rw access-group
  |   |   |   +--rw access-group-name?  mac-ip-acl-name
  |   |   +--rw vlan
  |   |   |   +--rw vlan-range?  interface:ui32-vlan-20k-range
  |   |   +--rw bridge-domain
  |   |   |   +--rw bridge-domain-range?  bd:ui32-bridge-domain-range
  +--rw policy-map* [name]
  |   +--rw name          policy-map-name-type
  |   +--rw class* [cl-name]
  |   |   +--rw cl-name          class-map-name-type
  |   |   +--rw police
  |   |   |   +--rw cir?  uint64
  |   |   |   |   +--rw cbs?  uint64
  |   |   |   |   +--rw eir?  uint64
  |   |   |   |   +--rw ebs?  uint64
  |   |   |   +--rw set
  |   |   |   |   +--rw set_cos_tc
  |   |   |   |   |   +--rw cos?  uint8
  |   |   |   |   |   |   +--rw traffic-class?  uint8
  |   |   |   |   +--rw set_dscp
  |   |   |   |   |   +--rw dscp?  uint16
  |   |   +--rw span
  |   |   |   +--rw session?  session-type
  |   |   +--rw map
  |   |   |   +--rw cos-mutation?  map-name-type
  |   |   |   |   +--rw cos-mutation-builtin
  |   |   |   |   |   +--rw map-name?  qos-mls:builtin-map-name-type
  |   |   |   |   +--rw cos-traffic-class?  map-name-type
  |   |   |   |   |   +--rw cos-traffic-class-builtin
  |   |   |   |   |   |   +--rw map-name?  qos-mls:builtin-map-name-type
  |   |   |   |   +--rw dscp-cos?  map-name-type
  |   |   |   |   |   +--rw dscp-cos-builtin
  |   |   |   |   |   |   +--rw map-name?  qos-mls:builtin-map-name-type
  |   |   |   |   +--rw dscp-traffic-class?  map-name-type
  |   |   |   |   |   +--rw dscp-traffic-class-builtin
  |   |   |   |   |   |   +--rw map-name?  qos-mls:builtin-map-name-type
  |   |   |   |   +--rw dscp-mutation?  map-name-type
  |   |   |   |   |   +--rw dscp-mutation-builtin
  |   |   |   |   |   |   +--rw map-name?  qos-mls:builtin-map-name-type
  |   |   +--rw sflow-profile?  sflow:profile-name-type
  |   +--rw shape
  |   |   +--rw shaping_rate?  shaping-rate-limit
  |   +--rw scheduler
  |   |   +--rw strict-priority
  |   |   |   +--rw priority-number?  uint8
  |   |   |   +--rw scheduler-type?  enumeration
  |   |   |   +--rw dwrr-traffic-class0?  uint32
  |   |   |   +--rw dwrr-traffic-class1?  uint32
  |   |   |   +--rw dwrr-traffic-class2?  uint32
  |   |   |   +--rw dwrr-traffic-class3?  uint32
  |   |   |   +--rw dwrr-traffic-class4?  uint32
  |   |   |   +--rw dwrr-traffic-class5?  uint32
  |   |   |   +--rw dwrr-traffic-class6?  uint32
  |   |   |   +--rw dwrr-traffic-class-last?  uint32

```

```
|          +--rw TC1?          shaping-rate-limit
|          +--rw TC2?          shaping-rate-limit
|          +--rw TC3?          shaping-rate-limit
|          +--rw TC4?          shaping-rate-limit
|          +--rw TC5?          shaping-rate-limit
|          +--rw TC6?          shaping-rate-limit
|          +--rw TC7?          shaping-rate-limit
+--rw system-qos
  +--rw qos
    +--rw service-policy* [direction policy-map-name]
      +--rw direction          enumeration
      +--rw policy-map-name    map-name-type
```

brocade-qos-operational

Top-level container

```
+---ro cpu-cfg-state* [slot-id]
| +---ro shaper-rate?      uint32
| +---ro burst-size?      uint32
| +---ro wfq-value?       uint32
| +---ro slot-id          int8
| +---ro cpu-cfg-group* [group-id]
|   +---ro shaper-rate?   uint32
|   +---ro burst-size?   uint32
|   +---ro wfq-value?    uint32
|   +---ro group-id      int8
|   +---ro cpu-cfg-prio* [prio-id]
|     +---ro shaper-rate? uint32
|     +---ro burst-size? uint32
|     +---ro wfq-value?  uint32
|     +---ro prio-id    int8
+---ro cpu-info-state* [group-id]
| +---ro name?            string
| +---ro egid?           uint32
| +---ro group-id       int8
| +---ro description?   string
+---ro cpu-queue-state* [queue-id cpu-rate-limit]
| +---ro name?          string
| +---ro shaper-rate?   uint32
| +---ro queue-id      int8
| +---ro cpu-rate-limit int32
| +---ro description?  string
+---ro qos-mps-state* [map-type]
  +---ro map-type      string
  +---ro map-name?    string
  +---ro enabled-slots? string
  +---ro traffic-class* uint32
  +---ro drop-preced*  uint32
  +---ro exp*         uint32
  +---ro dscp*        uint32
```

brocade-ras

Top-level container

```

module: brocade-ras
+--rw copy
| +--rw support
| | +---x ftp
| | | +---w input
| | | | +---w user          string
| | | | +---w host          string
| | | | +---w directory     directory-path
| | | | +---w password?    string
| | | | +---w timeout?     timeout-value
| | | | +---w module?      string
| | | | +---w group?       string
| | | | +---w use-vrf?     common-def:use-vrf
| | | +--ro output
| | | | +---ro supportSaveResult* []
| | | | | +--ro status-code    copy-support-status
| | | | | +--ro status-str?   string
| | +---x scp
| | | +---w input
| | | | +---w user          string
| | | | +---w host          string
| | | | +---w directory     directory-path
| | | | +---w password?    string
| | | | +---w timeout?     timeout-value
| | | | +---w module?      string
| | | | +---w group?       string
| | | | +---w use-vrf?     common-def:use-vrf
| | | | +---w source-ip?   inet:ip-address
| | | +--ro output
| | | | +---ro supportSaveResult* []
| | | | | +--ro status-code    copy-support-status
| | | | | +--ro status-str?   string
| | +---x usb
| | | +---w input
| | | | +---w directory     string
| | | | +---w timeout?     timeout-value
| | | | +---w module?      string
| | | +--ro output
| | | | +---ro supportSaveResult* []
| | | | | +--ro status-code    copy-support-status
| | | | | +--ro status-str?   string
| +---x support-interactive
| | +--ro output
| | | +--ro result?    string
+--rw logging
| +--rw raslog
| | +--rw interface
| | | +--rw description?  empty
| | | +--rw message
| | | | +--rw msgId* [msgId]
| | | | | +--rw msgId      string
| | | | | +--rw severity?  message-severity
| | | | +--rw suppress?   empty
| | | | +--rw syslog?     empty
| | +--rw module
| | | +--rw modId* [modId]
| | | | +--rw modId      string
| | +--rw console?      raslog-console

```

```

| +--rw syslog-server* [syslogip use-vrf]
| | +--rw syslogip          inet:ip-address
| | +--rw use-vrf          common-def:use-vrf
| | +--rw format?         string
| | +--rw syslog-secure
| | | +--rw secure?       empty
| | | +--rw port?        uint16
| | +--rw udp-port?       uint16
| | +--rw source-interface
| | | +--rw source-intf-type? source-interface-type
| | | +--rw ethernet
| | | | +--rw source-intf-name? ethernet-iftype
| | | +--rw loopback
| | | | +--rw source-intf-name? loopback-iftype
| | | +--rw ve
| | | | +--rw source-intf-name? ve-iftype
| | | +--rw management
| | | | +--rw source-intf-name? mm-iftype
+--rw syslog-server-host* [hostname use-vrf]
| | +--rw hostname          string
| | +--rw use-vrf          common-def:use-vrf
| | +--rw format?         string
| | +--rw syslog-secure
| | | +--rw secure?       empty
| | | +--rw port?        uint16
| | +--rw udp-port?       uint16
| | +--rw source-interface
| | | +--rw source-intf-type? source-interface-type
| | | +--rw ethernet
| | | | +--rw source-intf-name? ethernet-iftype
| | | +--rw loopback
| | | | +--rw source-intf-name? loopback-iftype
| | | +--rw ve
| | | | +--rw source-intf-name? ve-iftype
| | | +--rw management
| | | | +--rw source-intf-name? mm-iftype
+--rw auditlog
| | +--rw class* [class]
| | | +--rw class          audit-class
+--rw syslog-facility
| | +--rw local?          facility-enum
+--rw utility
| | +--rw enable
| | | +--rw relp?         empty
+--rw destination_console
| | +--rw logging
| | | +--rw raslog
| | | | +---x console
| | | | | +---w input
| | | | | | +---w (ras-con)?
| | | | | | | +---:(stop)
| | | | | | | | +---w stop          uint32
| | | | | | | +---:(start)
| | | | | | | | +---w start?       empty
+--rw system-ras
| | +--rw usb
| | | +---x on
| | | +---x off
| | | +---x dir
| | | +---x remove
| | | | +---w input
| | | | | +---w directory    string
| | | | | +---w file          string
| | | +---x tpvm

```

```

| +--rw switch-attributes
|   +--rw chassis-name?  string
|   +--rw host-name?     string
+--rw support
| +--rw autoupload-param
| | +--rw hostip         inet:ip-address
| | +--rw username       string
| | +--rw directory      string
| | +--rw protocol       string
| | +--rw password?     string
| +--rw support-param
| | +--rw hostip         inet:ip-address
| | +--rw username       string
| | +--rw directory      string
| | +--rw protocol       string
| | +--rw password?     string
| +--rw autoupload
| | +--rw enable?       empty
| +--rw ffdc?           empty
+--rw logtest
| +--rw raslog
|   +---x gmsg
|     +---w input
|       +---w messageID?  string
+--rw auditlog
  +---x gmsg
    +---w input
      +---w messageID?  string

```

RPCs

```

rpcs:
+---x bna-config-cmd
| +---w input
| | +---w src           string
| | +---w dest          string
| | +---w remove-tpvm? empty
| +--ro output
|   +--ro session-id    uint32
|   +--ro status        cmd-status
|   +--ro status-string? string
+---x bna-config-cmd-status
  +---w input
  | +---w session-id    uint32
  +--ro output
    +--ro status        cmd-status
    +--ro status-string? string

```

brocade-ras-ext

Top-level container

```

module: brocade-ras-ext
  +--rw rasman
    +---x message
    | +---w input
    |   +---w id      string
    +---x module
    | +---w input
    |   +---w name    string
    +---x description
    +---x type
      +---w input
      +---w value    enumeration

```

External augmentations

```

module: brocade-common-def
  +--rw show
  | +--rw ras-extensions:support

```

RPCs

```

rpcs:
  +---x show-raslog
  | +---w input
  | | +---w number-of-latest-events?  uint32
  | +---ro output
  |   +--ro show-all-raslog* []
  |   | +--ro number-of-entries?  uint32
  |   | +--ro raslog-entries* []
  |   |   +--ro index?            uint32
  |   |   +--ro message-id?       string
  |   |   +--ro date-and-time-info? string
  |   |   +--ro severity?         enumeration
  |   |   +--ro repeat-count?     uint32
  |   |   +--ro message?          string
  |   |   +--ro message-flag?     enumeration
  |   |   +--ro log-type?         enumeration
  |   |   +--ro switch-or-chassis-name? string
  |   +--ro cmd-status-error-msg?  string
  +---x show-support-save-status
  | +---ro output
  |   +--ro show-support-save-status* []
  |   +--ro status?                  enumeration
  |   +--ro message?                 string
  |   +--ro percentage-of-completion? uint32
  +---x show-system-info
  +---ro output
  +--ro show-system-info* []
  +--ro stack-mac?  ietfyang:mac-address

```

brocade-ras-operational

Top-level container

```

module: brocade-ras-operational
  +--ro cpu-state
  |   +--ro summary
  |   |   +--ro summary-cpu-load-average-one-min?          decimal64
  |   |   +--ro summary-cpu-load-average-five-min?        decimal64
  |   |   +--ro summary-cpu-load-average-fifteen-min?     decimal64
  |   |   +--ro summary-cpu-util-current?                  decimal64
  |   |   +--ro summary-cpu-util-current-user?            decimal64
  |   |   +--ro summary-cpu-util-current-kernel?          decimal64
  |   |   +--ro summary-cpu-util-current-iowait?          decimal64
  |   +--ro history
  |   |   +--ro cpu-load-average-one-min?                  decimal64
  |   |   +--ro cpu-load-average-five-min?                decimal64
  |   |   +--ro cpu-load-average-fifteen-min?             decimal64
  |   |   +--ro cpu-util-current?                          decimal64
  |   |   +--ro cpu-util-current-user?                     decimal64
  |   |   +--ro cpu-util-current-kernel?                   decimal64
  |   |   +--ro cpu-util-current-iowait?                   decimal64
  |   |   +--ro cpu-util-1min?                             decimal64
  |   |   +--ro cpu-util-1min-user?                       decimal64
  |   |   +--ro cpu-util-1min-kernel?                      decimal64
  |   |   +--ro cpu-util-1min-iowait?                      decimal64
  |   |   +--ro cpu-util-5min?                             decimal64
  |   |   +--ro cpu-util-5min-user?                       decimal64
  |   |   +--ro cpu-util-5min-kernel?                      decimal64
  |   |   +--ro cpu-util-5min-iowait?                      decimal64
  |   |   +--ro cpu-util-15min?                            decimal64
  |   |   +--ro cpu-util-15min-user?                       decimal64
  |   |   +--ro cpu-util-15min-kernel?                     decimal64
  |   |   +--ro cpu-util-15min-iowait?                     decimal64
  |   |   +--ro cpu-util-1hour?                            decimal64
  |   |   +--ro cpu-util-1hour-user?                       decimal64
  |   |   +--ro cpu-util-1hour-kernel?                     decimal64
  |   |   +--ro cpu-util-1hour-iowait?                     decimal64
  |   |   +--ro cpu-util-5hour?                            decimal64
  |   |   +--ro cpu-util-5hour-user?                       decimal64
  |   |   +--ro cpu-util-5hour-kernel?                     decimal64
  |   |   +--ro cpu-util-5hour-iowait?                     decimal64
  |   |   +--ro cpu-util-24hour?                           decimal64
  |   |   +--ro cpu-util-24hour-user?                       decimal64
  |   |   +--ro cpu-util-24hour-kernel?                     decimal64
  |   |   +--ro cpu-util-24hour-iowait?                     decimal64
  |   |   +--ro cpu-util-72hour?                           decimal64
  |   |   +--ro cpu-util-72hour-user?                       decimal64
  |   |   +--ro cpu-util-72hour-kernel?                     decimal64
  |   |   +--ro cpu-util-72hour-iowait?                     decimal64
  |   |   +--ro cpu-util-process-history* [cpu-process-id]
  |   |   |   +--ro cpu-process-id          uint32
  |   |   |   +--ro cpu-process-name?      string
  |   |   |   +--ro cpu-util-current?      decimal64
  |   |   |   +--ro cpu-util-1m?           decimal64
  |   |   |   +--ro cpu-util-5m?           decimal64
  |   |   |   +--ro cpu-util-15m?         decimal64
  |   |   |   +--ro cpu-util-1h?           decimal64
  |   |   |   +--ro cpu-util-5h?           decimal64
  |   |   |   +--ro cpu-util-24h?         decimal64
  |   |   |   +--ro cpu-util-72h?         decimal64
  |   +--ro top

```

```

| | +--ro cpu-curr-time?          string
| | +--ro cpu-system-uptime?     string
| | +--ro cpu-no-of-users?       uint32
| | +--ro cpu-load-average-one-min? decimal64
| | +--ro cpu-load-average-five-min? decimal64
| | +--ro cpu-load-average-fifteen-min? decimal64
| | +--ro cpu-total-task?        uint32
| | +--ro cpu-running-task?      uint32
| | +--ro cpu-sleeping-task?     uint32
| | +--ro cpu-stopped-task?      uint32
| | +--ro cpu-zombie-task?       uint32
| | +--ro cpu-util-user?         decimal64
| | +--ro cpu-util-kernel?       decimal64
| | +--ro cpu-util-nice?         decimal64
| | +--ro cpu-util-idle?         decimal64
| | +--ro cpu-util-iowait?       decimal64
| | +--ro cpu-util-hi?           decimal64
| | +--ro cpu-util-si?           decimal64
| | +--ro cpu-util-st?           decimal64
| | +--ro cpu-total-mem?         string
| | +--ro cpu-used-mem?          string
| | +--ro cpu-free-mem?          string
| | +--ro cpu-buffer-mem?        string
| | +--ro cpu-total-mem-swap?     string
| | +--ro cpu-used-mem-swap?     string
| | +--ro cpu-free-mem-swap?     string
| | +--ro cpu-cache-mem-swap?    string
| | +--ro cpu-top-process-information* [cpu-process-id]
| |   +--ro cpu-process-id        uint32
| |   +--ro cpu-process-user?     string
| |   +--ro cpu-process-priority? string
| |   +--ro cpu-process-ni?       string
| |   +--ro cpu-process-virtual-mem? string
| |   +--ro cpu-process-resident-mem? string
| |   +--ro cpu-process-shared-mem? string
| |   +--ro cpu-process-state?    string
| |   +--ro cpu-process-cpuutil?  decimal64
| |   +--ro cpu-process-memutil?  decimal64
| |   +--ro cpu-process-running-time? string
| |   +--ro cpu-process-cmd?      string
| +--ro all-partition
| | +--ro cpu-allpart-load* [cpu-blade-name]
| | | +--ro cpu-blade-name        string
| | | +--ro cpu-load-average-1min? decimal64
| | | +--ro cpu-load-average-5min? decimal64
| | | +--ro cpu-load-average-15min? decimal64
| | +--ro cpu-allpart-util* [cpu-blade-name]
| | | +--ro cpu-blade-name        string
| | | +--ro cpu-util-current?     decimal64
| | | +--ro cpu-util-user?       decimal64
| | | +--ro cpu-util-kernel?     decimal64
| | | +--ro cpu-util-iowait?     decimal64
| +--ro process-list
| | +--ro list-cpu-load-average-one-min? decimal64
| | +--ro list-cpu-load-average-five-min? decimal64
| | +--ro list-cpu-load-average-fifteen-min? decimal64
| | +--ro list-cpu-util-current?       decimal64
| | +--ro list-cpu-util-current-user?   decimal64
| | +--ro list-cpu-util-current-kernel? decimal64
| | +--ro list-cpu-util-current-iowait? decimal64
| | +--ro cpu-process-list* [cpu-process-id]
| |   +--ro cpu-process-id        uint32
| |   +--ro cpu-process-name?     string
| |   +--ro cpu-process-util?     decimal64

```

```

|         +--ro cpu-process-state?      string
|         +--ro cpu-process-start-time? string
+--ro mem-state
  +--ro summary
    | +--ro memory-used-percentage?  decimal64
    | +--ro memory-total?            uint32
    | +--ro memory-total-used?       uint32
    | +--ro memory-total-free?       uint32
    | +--ro memory-low-free?         uint32
    | +--ro memory-high-free?        uint32
    | +--ro memory-cached?           uint32
  +--ro mem-list
    | +--ro memory-used-percentage?  decimal64
    | +--ro memory-total?            uint32
    | +--ro memory-total-used?       uint32
    | +--ro memory-total-free?       uint32
    | +--ro memory-low-free?         uint32
    | +--ro memory-high-free?        uint32
    | +--ro memory-cached?           uint32
    | +--ro memory-per-process* [memory-process-id]
    |   +--ro memory-process-id      uint32
    |   +--ro memory-process-name?   string
    |   +--ro memory-utilized?       decimal64
    |   +--ro memory-utilized-vsize? uint32
    |   +--ro memory-utilized-rss?   uint32
    |   +--ro memory-utilized-pss?   uint32
  +--ro mem-allpart
    +--ro mem-allpart-sum* [memory-blade-name]
      +--ro memory-blade-name        string
      +--ro memory-used-percentage?  decimal64
      +--ro memory-total?            uint32
      +--ro memory-total-used?       uint32
      +--ro memory-total-free?       uint32
      +--ro memory-cached?           uint32

```

brocade-rbridge-lag

Top-level container

```

module: brocade-rbridge-lag
  +--rw load-balance-lag
    +--rw load-balance
      +--rw hash
        | +--rw ethernet
        | | +--rw sa-mac?      empty
        | | +--rw da-mac?      empty
        | | +--rw smac-dmac?   empty
        | | +--rw vlan?        empty
        | | +--rw etype?       empty
        | +--rw ip
        | | +--rw src-l4-port?  empty
        | | +--rw dst-l4-port?  empty
        | | +--rw src-ip?       empty
        | | +--rw dst-ip?       empty
        | | +--rw sip-dip?      empty
        | | +--rw protocol?     empty
        | +--rw ipv6
        | | +--rw ipv6-src-l4-port?  empty
        | | +--rw ipv6-dst-l4-port?  empty
        | | +--rw ipv6-src-ip?       empty
        | | +--rw ipv6-dst-ip?       empty
        | | +--rw sipv6-dipv6?       empty
        | | +--rw ipv6-next-hdr?     empty
        | +--rw mpls
        | | +--rw label1?  empty
        | | +--rw label2?  empty
        | | +--rw label3?  empty
        | | +--rw all-labels?  empty
        | +--rw l4
        | | +--rw src-dst-port?  empty
      +--rw lag
        +--rw hash
          +--rw hdr-start
            | +--rw fwd-term?  enumeration
          +--rw bos
            | +--rw start-skip?  enumeration
          +--rw hdr-count?      uint32
          +--rw rotate?         uint32
          +--rw normalize?      empty
          +--rw srcport?        empty
          +--rw pwctrlword?     empty
          +--rw speculate-mpls
            +--rw enable-eth-ip?  enumeration

```

brocade-resource-monitor

Top-level container

```
+--rw resource-monitor
  +--rw cpu
    | +--rw enable-cpu?      empty
    | +--rw threshold-cpu?  uint32
    | +--rw action-cpu?     resource-monitor-actiontype
    | +--rw sample-rate-cpu? uint32
    | +--rw logging-rate-cpu? uint32
    | +--rw grace-period-cpu? uint32
    | +--rw offset-cpu?     uint32
  +--rw memory
    | +--rw enable-memory?  empty
    | +--rw threshold-memory? uint32
    | +--rw action-memory?   resource-monitor-actiontype
    | +--rw sample-rate-memory? uint32
    | +--rw logging-rate-memory? uint32
    | +--rw grace-period-memory? uint32
    | +--rw offset-memory?   uint32
  +--rw process
    +--rw memory
      +--rw enable-process?  empty
      +--rw thresh-mem-alarm? uint32
      +--rw thresh-mem-critic? uint32
```

brocade-rmon

Top-level container

```
module: brocade-rmon
  +--rw rmon
    +--rw event-entry* [event-index]
      | +--rw event-index          event-index-type
      | +--rw event-description?   event-description-type
      | +--rw log?                 empty
      | +--rw event-community?     string
      | +--rw event-owner?        owner-string
    +--rw alarm-entry* [alarm-index]
      +--rw alarm-index           alarm-index-type
      +--rw snmp-oid              snmp-oid-type
      +--rw alarm-interval        uint32
      +--rw alarm-sample          alarm-sample-type
      +--rw alarm-rising-threshold uint32
      +--rw alarm-rising-event-index alarm-rising-event-index-type
      +--rw alarm-falling-threshold? uint32
      +--rw alarm-falling-event-index? alarm-falling-event-index-type
      +--rw alarm-owner?         owner-string
```

brocade-rpf

Top-level container

```
module: brocade-rpf
  +--rw rpf_config
    +--rw urpf-exclude-default?  empty
```

External augmentations

```
module: brocade-interface
  | | +--rw rpf:rpf
  | | | +--rw rpf:log?  empty
  | | +--rw rpf:rpf-mode
  | | | +--rw rpf:mode?  enumeration
```

brocade-rtm

Top-level Container

```
module: brocade-rtm
  +--rw prefix-independent-convergence-static!
  +--rw resilient-hash
    +--rw ecmp
      | +--rw resilient-hash-ecmp-enable?  empty
    +--rw max-path?  uint32
```

brocade-sec-services

Top-level container

```

module: brocade-sec-services
  +--rw telnet-sa
  |   +--rw telnet
  |   |   +--rw server
  |   |   |   +--rw telnet-vrf-cont
  |   |   |   |   +--rw use-vrf* [use-vrf-name]
  |   |   |   |   |   +--rw use-vrf-name      string
  |   |   |   |   |   +--rw telnet-vrf-shutdown?  empty
  |   +--rw ssh-sa
  |   |   +--rw ssh
  |   |   |   +--rw server
  |   |   |   |   +--rw key-exchange?      string
  |   |   |   |   |   +--rw rekey-interval?  uint32
  |   |   |   |   |   +--rw rekey-volume?   uint32
  |   |   |   |   |   +--rw ssh-server-port? uint32
  |   |   |   |   |   +--rw cipher?        string
  |   |   |   |   |   +--rw mac?           string
  |   |   |   |   |   +--rw max-auth-tries? uint32
  |   |   |   |   |   +--rw max-idle-timeout? uint32
  |   |   |   |   |   +--rw max-login-timeout? uint32
  |   |   |   |   |   +--rw key
  |   |   |   |   |   |   +--rw rsa?      rsa-bits-size
  |   |   |   |   |   |   |   +--rw ecdsa?  ecdsa-bits-size
  |   |   |   |   |   |   |   |   +--rw dsa?    empty
  |   |   |   |   |   |   +--rw ssh-vrf-cont
  |   |   |   |   |   |   |   |   +--rw use-vrf* [use-vrf-name]
  |   |   |   |   |   |   |   |   |   +--rw use-vrf-name      string
  |   |   |   |   |   |   |   |   |   +--rw ssh-vrf-shutdown?  empty
  |   |   |   |   |   |   |   +--rw algorithm
  |   |   |   |   |   |   |   |   |   +--rw hostkey?  string
  |   |   |   |   |   |   |   +--rw certificate
  |   |   |   |   |   |   |   |   +--rw profile
  |   |   |   |   |   |   |   |   |   +--rw server
  |   |   |   |   |   |   |   |   |   |   +--rw trustpoint
  |   |   |   |   |   |   |   |   |   |   |   +--rw sign?  string
  |   |   +--rw client
  |   |   |   +--rw cipher?      string
  |   |   |   +--rw mac?         string
  |   |   |   +--rw key-exchange? string
  |   |   |   +--rw source-interface
  |   |   |   |   +--rw interface-type?  source-interface-type
  |   |   |   |   |   +--rw ethernet
  |   |   |   |   |   |   +--rw interface-name?  interface:interface-type
  |   |   |   |   +--rw loopback
  |   |   |   |   |   |   +--rw interface-name?  loopback:intf-loopback-port-type
  |   |   |   |   +--rw ve
  |   |   |   |   |   +--rw interface-name?  interface:ve-type
  +--rw ssh-server
  |   +---x restart
  +--rw grub!
  |   +--rw config-enable?  empty
  |   +--rw user
  |   |   +--rw grub-username?  string
  |   |   +--rw grub-password?  string

```

External augmentations

```
module: brocade-common-def
  +--rw show
  |   +--rw brocd-sec-services:telnet
  |   |   +--rw brocd-sec-services:server

module: brocade-common-def
  +--rw show
  |   +--rw brocd-sec-services:ssh
  |   |   +--rw brocd-sec-services:server
  |   |   +--rw brocd-sec-services:client
```

brocade-sflow

Top-level container

```

module: brocade-sflow
  +--rw sflow
  |   +--rw enable?                empty
  |   +--rw update-destination-mac? empty
  |   +--rw null0-sampling?        empty
  |   +--rw collector-vrf?         common-def:vrf-name
  |   +--rw agent-address
  |   |   +--rw agent-addr-type?   ip-addr-type
  |   |   +--rw agent-interface-type? source-interface-type
  |   |   +--rw agent-interface-name? string-type
  |   +--rw source-interface
  |   |   +--rw interface-type?   source-interface-type
  |   |   +--rw interface-name?   string-type
  |   +--rw collector* [collector-ip-address collector-port-number use-vrf]
  |   |   +--rw collector-ip-address   inet:ip-address
  |   |   +--rw collector-port-number  uint32
  |   |   +--rw use-vrf                common-def:use-vrf
  |   +--rw polling-interval?   uint32
  |   +--rw sample-rate?        uint32
  +--rw sflow-profile* [profile-name]
  |   +--rw profile-name          profile-name-type
  |   +--rw profile-sampling-rate? uint32

```

External augmentations

```

module: brocade-interface
  +--rw interface
  |   +--rw ethernet [name]
  |   |   +--rw sflow:sflow
  |   |   |   +--rw sflow:enable?                empty
  |   |   |   +--rw sflow:polling-interval?     uint32
  |   |   |   +--rw sflow:sample-rate?          uint32

```

brocade-snmp

Top-level container

```

module: brocade-snmp
  +--rw snmp-server
    +--rw context* [context-name]
      | +--rw context-name  string
      | +--rw vrf-name?    string
    +--rw community* [community]
      | +--rw community  string
      | +--rw groupname? string
    +--rw user* [username]
      | +--rw username    string
      | +--rw groupname?  string
      | +--rw auth?       enumeration
      | +--rw auth-password? string
      | +--rw priv?       enumeration
      | +--rw priv-password? string
      | +--rw encrypted?  empty
    +--rw v3host* [hostip username]
      | +--rw hostip      inet:host
      | +--rw username    string
      | +--rw udp-port?   host-port
      | +--rw notifytype? enumeration
      | +--rw engineid?   string
      | +--rw severity-level? sev-level
      | +--rw use-vrf?    use-vrf-option
      | +--rw source-interface
      |   +--rw (source-interface-type)?
      |     +--:(loopback)
      |       | +--rw loopback?  intf-loopback-port-type
      |       +--:(ve)
      |         | +--rw ve?       ve-type
      |         +--:(management)
      |           +--rw management? mm-iftype
    +--rw host* [ip community]
      | +--rw ip          inet:host
      | +--rw version?    host-version
      | +--rw community  string
      | +--rw udp-port?   host-port
      | +--rw severity-level? sev-level
      | +--rw use-vrf?    use-vrf-option
      | +--rw source-interface
      |   +--rw (source-interface-type)?
      |     +--:(loopback)
      |       | +--rw loopback?  intf-loopback-port-type
      |       +--:(ve)
      |         | +--rw ve?       ve-type
      |         +--:(management)
      |           +--rw management? mm-iftype
    +--rw agtconfig
      | +--rw contact?    system-contact
      | +--rw location?   system-location
      | +--rw sys-descr?  system-description
    +--rw enable
      | +--rw trap
      |   +--rw trap-flag? empty
    +--rw preserve-statistics
      | +--rw disable
      |   +--rw disable-flag? empty
    +--rw engineID-drop
  
```

```

| +---rw engineID
|   +---rw local?  snmp-engineID
+---rw view* [viewname mibtree]
| +---rw viewname      string
| +---rw mibtree       string
| +---rw mibtree-access? mib-access
+---rw group* [group-name group-version]
| +---rw group-name     string
| +---rw group-version  group-version-type
| +---rw group-auth-mode? auth-mode-option
| +---rw read?         string
| +---rw write?        string
| +---rw notify?       string
+---rw mib
| +---rw community-map* [community]
|   +---rw community    string
|   +---rw context?    string
+---rw trap
| +---rw bfd-std-mib?  empty
+---rw use-vrf* [use-vrf-name]
| +---rw use-vrf-name  string
| +---rw snmp-vrf-shutdown? empty

```

RPCs

```

rpcs:
+---x get-snmp-community
| +---w input
|   +---w community    string
+---ro output
| +---ro encrypted-community? string
| +---ro groupname?     string

```

brocade-span

Top-level container

```

module: brocade-span
  +--rw monitor
    +--rw session* [session-number]
      +--rw session-number  session-type
      +--rw description?    string
      +--rw span-command
        +--rw source?          enumeration
        +--rw src-ethernet?    enumeration
        +--rw src-ethernet-val? span-if-type
        +--rw src-port-channel-val? interface:portchannel-type
        +--rw src-ve-val?     interface:ui32-vlan-range
        +--rw src-vlan-val?   interface:ui32-vlan-range
        +--rw destination?    enumeration
        +--rw dest-ethernet?  enumeration
        +--rw dest-ethernet-val? span-if-type
        +--rw dest-vlan-val?  interface:vlan-type
        +--rw dest-port-channel-val? interface:portchannel-type
        +--rw direction?     enumeration
        +--rw span-session-type? enumeration
        +--rw dest-erspan-id? uint32
        +--rw source-ip?     inet:ipv4-address
        +--rw destination-ip? inet:ipv4-address
        +--rw vrf?           common-def:use-vrf
        +--rw erspan-direction? enumeration
        +--rw erspan-session-type? enumeration
        +--rw dest-rspan-port-type? enumeration
        +--rw dest-rspan-ethernet-val? span-if-type
        +--rw dest-rspan-port-channel-val? interface:portchannel-type
        +--rw rspan-direction? enumeration
        +--rw rspan-session-type? enumeration

```

External augmentations

```

module: brocade-interface
  +--rw interface-vlan
  | +--rw interface
  |   +--rw vlan [name]
  |   | +--rw span:remote-span? empty /*alt-name:rspan-vlan*/

```

brocade-ssm-operational

Top-level container

```

module: brocade-ssm-operational
  +--ro app-telemetry-acl-list-state
  | +--ro acls* [type name direction seqid action rule status]
  |   +--ro type          string
  |   +--ro name          string
  |   +--ro direction    string
  |   +--ro seqid        string
  |   +--ro action       string
  |   +--ro rule         string
  |   +--ro status       string
  +--ro app-telemetry-counters-state
  | +--ro counter-list* [name packets bytes]
  |   +--ro name          string
  |   +--ro packets      uint64
  |   +--ro bytes        uint64
  +--ro vxlan-acl-state
  | +--ro extended-data* [acl-name]
  |   +--ro acl-name      string
  |   +--ro seq-num?     uint32
  |   +--ro permit-deny? string
  |   +--ro dst-vtep-ip? inet:ipv4-address
  |   +--ro src-vtep-ip? inet:ipv4-address
  |   +--ro vni?         string
  |   +--ro vni-mask?    string
  |   +--ro native-tag?  string
  |   +--ro dst-ip?      inet:ipv4-address
  |   +--ro dst-ip-mask? uint16
  |   +--ro src-ip?      inet:ipv4-address
  |   +--ro src-ip-mask? uint16
  |   +--ro dst-port?    uint16
  |   +--ro src-port?    uint16
  |   +--ro count?       uint64
  |   +--ro byte-count?  uint64
  |   +--ro transit-name? string
  |   +--ro gateway-name? string
  |   +--ro sflow?       boolean
  |   +--ro redir-interface? string
  |   +--ro mirror-interface? string
  +--ro ip-source-guard-binding-entry-state* [mac-address]
  | +--ro interface?    string
  | +--ro ip-address?   string
  | +--ro mac-address   string
  | +--ro vlan-id?     uint32
  +--ro overlay-transit-state* [overlay-transit-name]
  | +--ro overlay-transit-name string
  | +--ro binded-overlay-acl? string

```

brocade-sysdiag-operational

Top-level container

```

module: extreme-sysdiag-operational
  +--ro hw-state
  | +--ro hw-route-info* [slot tower etcam-profile snowball]
  | +--ro slot uint16
  | +--ro tower uint16
  | +--ro lpm-percent? decimal64
  | +--ro lem-percent? decimal64
  | +--ro tcam-percent? decimal64
  | +--ro etcam-profile uint16
  | +--ro snowball uint16
  | +--ro lpm-ipv4* uint32
  | +--ro lpm-ipv6* uint32
  | +--ro lpm-other* uint32
  | +--ro lem-ipv4* uint32
  | +--ro lem-ipv6* uint32
  | +--ro lem-other* uint32
  | +--ro lpm-total* uint32
  | +--ro lem-total* uint32
  | +--ro tcam-ipv4* uint32
  | +--ro tcam-ipv6* uint32
  | +--ro tcam-total* uint32
  +--ro tm-state
  | +--ro cngn-mon-dev
  | | +--ro discard-pkt-threshold? uint32
  | | +--ro discard-log-interval? uint16
  | +--ro cngn-mon-voq
  | | +--ro discard-voq-pkt-threshold? uint32
  | | +--ro discard-voq-log-interval? uint16
  | +--ro cngn-mon-del-pkt
  | | +--ro delete-pkt-threshold? uint32
  | | +--ro delete-log-interval? uint16
  | +--ro tmdevicestataggr* [slot tower]
  | | +--ro slot uint16
  | | +--ro tower uint16
  | | +--ro ingress-total-pkt-cnt-aggr? uint64
  | | +--ro cpu-pkt-cnt-aggr? uint64
  | | +--ro nif-pkt-cnt-aggr? uint64
  | | +--ro oamp-pkt-cnt-aggr? uint64
  | | +--ro olp-pkt-cnt-aggr? uint64
  | | +--ro rcy-pkt-cnt-aggr? uint64
  | | +--ro mmu-pkt-cnt-aggr? uint64
  | | +--ro enqueue-pkt-cnt-aggr? uint64
  | | +--ro deque-pkt-cnt-aggr? uint64
  | | +--ro total-discard-pkt-cnt-aggr? uint64
  | | +--ro deleted-pkt-cnt-aggr? uint64
  | | +--ro invalid-queue-pkt-aggr? uint64
  | | +--ro ipt-fdt-pkt-cnt-aggr? uint64
  | | +--ro ipt-crc-err-pkt-cnt-aggr? uint64
  | | +--ro uni-pkt-cnt-aggr? uint64
  | | +--ro fqp-pkt-cnt-aggr? uint64
  | | +--ro uni-discard-pkt-cnt-aggr? uint64
  | | +--ro mcast-discard-pkt-cnt-aggr? uint64
  | | +--ro mcast-pkt-cnt-aggr? uint64
  | | +--ro ehp-discard-cnt-aggr? uint64
  | | +--ro prp-uc-discard-cnt-aggr? uint64
  | | +--ro prp-mc-discard-cnt-aggr? uint64
  | | +--ro prp-sop-uc-discard-cnt-aggr? uint64
  | | +--ro prp-sop-mc-discard-cnt-aggr? uint64

```

```

| | +--ro ehp-mc-high-discard-cnt-aggr?          uint64
| | +--ro ehp-mc-low-discard-cnt-aggr?         uint64
| | +--ro erpp-lag-pruning-discard-cnt-aggr?   uint64
| | +--ro erpp-pmf-discard-cnt-aggr?          uint64
| | +--ro erpp-vlan-membership-discard-cnt-aggr? uint64
| | +--ro epe-discard-cnt-aggr?              uint64
| | +--ro epe-cnt-aggr?                      uint64
| | +--ro tot-egr-pkt-cnt-aggr?              uint64
| +--ro non-empty-voq* [slot tower]
| | +--ro slot          uint16
| | +--ro tower        uint16
| | +--ro core-id*     uint32
| | +--ro voq-id*      uint32
| | +--ro voq-size*    uint32
| +--ro buf-pool-stats* [slot tower]
| | +--ro slot          uint16
| | +--ro tower        uint16
| | +--ro dram-size?   uint16
| | +--ro bd-occ-core0? uint64
| | +--ro buf-occ-bytes-core0? uint64
| | +--ro bd-occ-core1? uint64
| | +--ro buf-occ-bytes-core1? uint64
| +--ro tmcputatssslot* [slot-id cpugroup-id priority]
| | +--ro slot-id      uint16
| | +--ro cpugroup-id  uint16
| | +--ro priority     uint16
| | +--ro enqueuepkt?  uint64
| | +--ro enqueuebytes? uint64
| | +--ro discardpkt?  uint64
| | +--ro discardbytes? uint64
| | +--ro currdepth?   uint64
| | +--ro maxdepth?    uint64
| +--ro tmcputatssslotallgrp* [slot-id priority]
| | +--ro slot-id      uint16
| | +--ro priority     uint16
| | +--ro enqueuepkt?  uint64
| | +--ro enqueuebytes? uint64
| | +--ro discardpkt?  uint64
| | +--ro discardbytes? uint64
| | +--ro currdepth?   uint64
| | +--ro maxdepth?    uint64
| +--ro tm-top-discard-pkt-data* [slot tower id]
| | +--ro slot          uint16
| | +--ro tower        uint16
| | +--ro id            uint16
| | +--ro dest-port?   string
| | +--ro priority?    uint16
| | +--ro queue?       uint32
| | +--ro discardpkt?  uint64
| +--ro tm-top-max-queue-depth-data* [slot tower id]
| | +--ro slot          uint16
| | +--ro tower        uint16
| | +--ro id            uint16
| | +--ro dest-port?   string
| | +--ro priority?    uint16
| | +--ro queue?       uint32
| | +--ro max-queue-depth? uint32
| | +--ro min-threshold? uint32
| | +--ro max-utilization? uint32
| +--ro tm-max-buff-util-data* [slot tower]
| | +--ro slot          uint16
| | +--ro tower        uint16
| | +--ro max-buff-size? uint64
| | +--ro max-buff-util? uint16

```

```

|   +--ro tmvoqstatistics* [ing-slot ing-tower egr-voqid]
|     +--ro ing-slot      uint16
|     +--ro ing-tower     uint16
|     +--ro egr-voqid     uint16
|     +--ro priority?    uint16
|     +--ro enqueuepkt?  uint64
|     +--ro enqueuebytes? uint64
|     +--ro discardpkt?  uint64
|     +--ro discardbytes? uint64
|     +--ro currdepth?   uint64
|     +--ro maxdepth?    uint64
+--ro cpu-interface-state* [ifname]
|   +--ro ifname      string
|   +--ro stats
|     +--ro gos-link-status?      string
|     +--ro gos-tx-pkts-cnt?      uint64
|     +--ro gos-tx-bytes-cnt?     uint64
|     +--ro gos-tx-errors-cnt?    uint64
|     +--ro gos-tx-drop-cnt?     uint64
|     +--ro gos-tx-overflow-error-cnt? uint64
|     +--ro gos-tx-carrier-error-cnt? uint64
|     +--ro gos-rx-pkts-cnt?     uint64
|     +--ro gos-rx-bytes-cnt?    uint64
|     +--ro gos-rx-errors-cnt?   uint64
|     +--ro gos-rx-drop-cnt?     uint64
|     +--ro gos-rx-overflow-error-cnt? uint64
|     +--ro gos-rx-frame-error-cnt? uint64
|     +--ro host-link-status?    string
|     +--ro host-tx-pkts-cnt?    uint64
|     +--ro host-tx-bytes-cnt?   uint64
|     +--ro host-tx-errors-cnt?  uint64
|     +--ro host-tx-drop-cnt?    uint64
|     +--ro host-tx-overflow-error-cnt? uint64
|     +--ro host-tx-carrier-error-cnt? uint64
|     +--ro host-rx-pkts-cnt?    uint64
|     +--ro host-rx-bytes-cnt?   uint64
|     +--ro host-rx-errors-cnt?  uint64
|     +--ro host-rx-drop-cnt?    uint64
|     +--ro host-rx-overflow-error-cnt? uint64
|     +--ro host-rx-frame-error-cnt? uint64
|     +--ro host-tx-aborted-error-cnt? uint64
|     +--ro host-tx-fifo-error-cnt? uint64
|     +--ro host-tx-timeout-cnt?  uint64
|     +--ro host-tx-flow-control-xon-cnt? uint64
|     +--ro host-tx-flow-control-xoff-cnt? uint64
|     +--ro host-tx-pkts-64bytes-cnt? uint64
|     +--ro host-tx-pkts-64-127bytes-cnt? uint64
|     +--ro host-tx-pkts-128-255bytes-cnt? uint64
|     +--ro host-tx-pkts-256-511bytes-cnt? uint64
|     +--ro host-tx-pkts-512-1023bytes-cnt? uint64
|     +--ro host-tx-pkts-1024bytes-max-cnt? uint64
|     +--ro host-tx-bcast-pkts-cnt? uint64
|     +--ro host-tx-mcast-pkts-cnt? uint64
|     +--ro host-rx-crc-error-cnt? uint64
|     +--ro host-rx-fifo-error-cnt? uint64
|     +--ro host-rx-missed-errors-cnt? uint64
|     +--ro host-rx-no-dma-resource-cnt? uint64
|     +--ro host-rx-flow-control-xon-cnt? uint64
|     +--ro host-rx-flow-control-xoff-cnt? uint64
|     +--ro host-rx-pkts-64bytes-cnt? uint64
|     +--ro host-rx-pkts-64-127bytes-cnt? uint64
|     +--ro host-rx-pkts-128-255bytes-cnt? uint64
|     +--ro host-rx-pkts-256-511bytes-cnt? uint64
|     +--ro host-rx-pkts-512-1023bytes-cnt? uint64

```

```
|   +---ro host-rx-pkts-1024bytes-max-cnt?  uint64
|   +---ro host-rx-good-pkts-cnt?         uint64
|   +---ro host-rx-bcast-pkts-cnt?       uint64
|   +---ro host-rx-mcast-pkts-cnt?       uint64
+---ro tm-link-connectivity-state* [device-id link port state speed loopback]
|   +---ro device-id      uint16
|   +---ro link           uint16
|   +---ro port          uint16
|   +---ro state         uint16
|   +---ro speed         string
|   +---ro loopback      uint16
+---ro tmmcastpriority-state* [slot-id priority]
|   +---ro slot-id       uint16
|   +---ro priority     uint16
|   +---ro enqueuepkt?  uint64
|   +---ro enqueuebytes? uint64
|   +---ro discardpkt?  uint64
|   +---ro discardbytes? uint64
|   +---ro currdepth?   uint64
|   +---ro maxdepth?    uint64
+---ro tmmcastpriorityall-state* [slot-id priority]
|   +---ro slot-id      uint16
|   +---ro priority     uint16
|   +---ro enqueuepkt?  uint64
|   +---ro enqueuebytes? uint64
|   +---ro discardpkt?  uint64
|   +---ro discardbytes? uint64
|   +---ro currdepth?   uint64
|   +---ro maxdepth?    uint64
```

brocade-sysmgr

External augmentations

```
module: brocade-common-def
  +--rw sysmgr:bpswitch
  |   +--ro sysmgr:clear-stats
  |   +--ro sysmgr:input
  |   +--ro sysmgr:output
module: brocade-common-def
  | +--rw sysmgr:bpswitch
  | | +--rw sysmgr:show-stats /*drop-node-name/
  | |   +--ro sysmgr:stats
  | |     +--ro sysmgr:input
  | |       | +--ro (show-bpswitch-type)?
  | |         | +---:(stats1)
  | |           | +--ro sysmgr:port?      uint32
  | |             +---:(stats2)
  | |               +--ro sysmgr:global?  empty
  | |   +--ro sysmgr:output
```

brocade-sysmgr-operational

Top-level container

```

module: brocade-sysmgr-operational
  +--ro sfm-state
    +--ro mcast* [mcastid]
      | +--ro mcastid          uint32
      | +--ro mcast-count?    uint32
      | +--ro mcast-sfmid?    uint32
      | +--ro mcast-feid?     uint32
      | +--ro mcast-sfmcount? uint32
      | +--ro mcast-out*      uint32
    +--ro statistics* [statistics-sfmid]
      | +--ro statistics-sfmid          uint32
      | +--ro statistics-feid?         uint32
      | +--ro statistics-pipe?         uint32
      | +--ro statistics-dch-total-in? uint32
      | +--ro statistics-dch-total-out? uint32
      | +--ro statistics-dch-fifo-discard? uint32
      | +--ro statistics-dch-reorder-discard? uint32
      | +--ro statistics-dch-unreach-discard? uint32
      | +--ro statistics-dch-max-q-size?   uint32
      | +--ro statistics-dcm-tot?         uint32
      | +--ro statistics-dcm-drop?        uint32
      | +--ro statistics-dcm-max?         uint32
      | +--ro statistics-dcl-tot-in?      uint32
      | +--ro statistics-dcl-tot-out?     uint32
      | +--ro statistics-dcl-dropped?     uint32
      | +--ro statistics-dcl-max?        uint32
    +--ro links* [links-sfmid]
      | +--ro links-count?             uint32
      | +--ro links-sfmid              uint32
      | +--ro links-feid?             uint32
      | +--ro links-crc*              uint32
      | +--ro links-size*             uint32
      | +--ro links-codegroup*        uint32
      | +--ro links-misalign*         uint32
      | +--ro links-lock*             uint32
      | +--ro links-accept*           uint32
      | +--ro links-error*            uint32
      | +--ro links-errorcount*       uint32
    +--ro queue* [queue-sfmid]
      | +--ro queue-sfmid              uint32
      | +--ro queue-feid?             uint32
      | +--ro queue-pipe?             uint32
      | +--ro queue-dch-count?        uint32
      | +--ro queue-dcm-count?        uint32
      | +--ro queue-dcl-count?        uint32
      | +--ro queue-dch-value*        uint32
      | +--ro queue-dch-linkno*       uint32
      | +--ro queue-dcm-value*        uint32
      | +--ro queue-dcm-linkno*       uint32
      | +--ro queue-dcl-value*        uint32
      | +--ro queue-dcl-linkno*       uint32
    +--ro thresholds* [thresholds-sfmid]
      | +--ro thresholds-sfmid        uint32
      | +--ro thresholds-feid?        uint32
      | +--ro thresholds-port?        uint32
      | +--ro thresholds-pipe*        uint32
      | +--ro thresholds-rxthreshold* uint32
      | +--ro thresholds-txthreshold* uint32

```

```
| +--ro thresholds-midthreshold*  uint32
+--ro connectivity* [connectivity-sfmid]
| +--ro connectivity-count?      uint32
| +--ro connectivity-sfmid       uint32
| +--ro connectivity-feid?      uint32
| +--ro connectivity-type?      string
| +--ro connectivity-linkid*    uint32
| +--ro connectivity-moduleid*  uint32
| +--ro connectivity-port*      uint32
+--ro serdesmode* [serdesmode-sfmid]
  +--ro serdesmode?             uint32
  +--ro serdesmode-sfmid       uint32
  +--ro serdesmode-feid?      uint32
```

brocade-sysmon

Use this module to manage TM and SFM error monitoring.

Top-level container

```
module: brocade-sysmon
  +--rw sysmon
    +--rw fe-access-check
      | +--rw fe-access-check-disable?          empty
      | +--rw fe-access-check-interval?        uint16
      | +--rw fe-access-check-threshold?       uint8
      | +--rw fe-access-check-recovery-threshold? uint8
      | +--rw fe-access-check-action?          enumeration
    +--rw link-crc-monitoring
      | +--rw link-crc-mon-disable?            empty
      | +--rw link-crc-mon-interval?           uint16
      | +--rw link-crc-mon-threshold?         uint8
      | +--rw link-crc-mon-action?            enumeration
    +--rw sfm-walk
      +--rw sfm-walk-auto?                      empty
      +--rw sfm-walk-dis-redundancy-check?     empty
      +--rw sfm-walk-interval?                  uint16
      +--rw sfm-walk-threshold?                 uint16
```

brocade-system

RPCs

```
rpcs:
  +---x get-system-uptime
    +--ro output
      +--ro show-system-uptime
        | +--ro days?      common-def:time-interval-day
        | +--ro hours?    common-def:time-interval-hour
        | +--ro minutes?  common-def:time-interval-minute
        | +--ro seconds?  common-def:time-interval-sec
        +--ro cmd-error?  string
```

brocade-system-capabilities

Top-level container

```

module: brocade-system-capabilities
  +--ro capabilities
    +--ro power
      | +--ro lc_sfm?          boolean
      | +--ro psu_on_off?    boolean
    +--ro temperature
      | +--ro tmpr_detail?   boolean
    +--ro qos
      | +--ro mls
      | | +--ro qos-cos-mutation-map?          boolean
      | | +--ro qos-tc-to-cos-map?            boolean
      | | +--ro qos-tc-to-dscp-map?           boolean
      | | +--ro qos-dscp-mutation-map?        boolean
      | | +--ro qos-dscp-to-cos-map?          boolean
      | | +--ro qos-queue-limit-config?       boolean
      | | +--ro qos-queue-scheduler-config?   boolean
      | | +--ro qos-rx-queue-limit-config?    boolean
      | | +--ro qos-show-tx-queue?            boolean
      | | +--ro qos-show-rx-queue?            boolean
      | | +--ro qos-intf-default-cos?         boolean
      | | +--ro qos-intf-default-traffic-class? boolean
      | | +--ro qos-intf-trust-cos?           boolean
      | | +--ro qos-intf-trust-dscp?          boolean
      | | +--ro qos-intf-remark-dscp?         boolean
      | | +--ro qos-intf-drop-monitor?        boolean
      | | +--ro qos-intf-rxqueue-costthreshold? boolean
      | | +--ro qos-intf-po-storm-control?    boolean
      | | +--ro qos-ecn?                      boolean
      | | +--ro flowcontrol
      | | | +--ro qos-flowcontrol?            boolean
      | | | +--ro qos-flowcontrol-tx?         boolean
      | | | +--ro qos-flowcontrol-pfc-config? boolean
      | | | +--ro clear-qos-flowcontrol-statistics? boolean
      | +--ro mqc
      | | +--ro span?                          boolean
      | | +--ro vlan-based-actions?             boolean
      | | +--ro bd-based-actions?               boolean
      | | +--ro control-plane-policymap?       boolean
      | | +--ro classmap-sflow-profile?        boolean
      | +--ro cpu
      | | +--ro qos-cpu-slot?                   boolean
    +--ro maps
      | +--ro qos_mpls?    boolean
    +--ro l3
      | +--ro rpf?          boolean
      | +--ro ip_option?    boolean
    +--ro l2
      | +--ro port_profile?    boolean
      | +--ro overlap_vlan?    boolean
      | +--ro rspan?           boolean
      | +--ro mac_move?        boolean
      | +--ro consistency_check? boolean
      | +--ro learning_mode?   boolean
      | +--ro priority_tag?    boolean
      | +--ro internal_nsm?    boolean
    +--ro ipv6
      | +--ro ipv6Raguard?    boolean
    +--ro ssm
  
```

```

| +--ro aclTrafficType?  boolean
+--ro lag
| +--ro PortchannelRedundancy?  boolean
+--ro license
| +--ro eula_display?  boolean
| +--ro dpod_display?  boolean
| +--ro slot_display?  boolean
+--ro tm?                boolean
+--ro tm-voq-status?    boolean
+--ro overlay
| +--ro gre?            boolean
| +--ro vxlan
|   +--ro hardware-vtep?                boolean
|   +--ro vtep-ip-ve?                  boolean
|   +--ro vxlan-tunnel-bfd?            boolean
|   +--ro vxlan-tunnel-mac-learn-protocol-bgp?  boolean
+--ro openflow
| +--ro ofbase?        boolean
| +--ro ingress?      boolean
+--ro vlan
| +--ro vlan-ipv6?    boolean
+--ro router
| +--ro mpls?        boolean
| +--ro isis?       boolean
| +--ro pim?        boolean
+--ro protocol
| +--ro mvrp?       boolean
+--ro bridge-domain
| +--ro router-ve-default-pw-profile?  boolean
| +--ro router-ve-tag-pw-profile?     boolean
| +--ro vc-peer?                      boolean
| +--ro p2p?                          boolean
| +--ro disallow-oar-ac?              boolean
+--ro telemetry
| +--ro queue-profile?  boolean
+--ro lldp
| +--ro bgp-auto-nbr-tlv?  boolean
+--ro prefix-list
| +--ro description?      boolean
+--ro mld
| +--ro mld-vlan-bd?      boolean
+--ro bgp
| +--ro gr-timers?        boolean
| +--ro ipv4-flowspec?    boolean
| +--ro ipv6-flowspec?    boolean
+--ro bfd
| +--ro bfd-max-session?  boolean
+--ro interface-ip
| +--ro icmp-redirect?    boolean
| +--ro route-only?      boolean
+--ro ethernet
| +--ro redundant-management?  boolean
+--ro load-balance
| +--ro hashing?          boolean
+--ro threshold-monitor
  +--ro l3-hw-resources?    boolean

```

brocade-system-maintenance

Top-level container

```

+--rw management-heartbeat
  +--rw manager!
    +--rw heartbeat-enable?          empty
    +--rw heartbeat-threshold-timer? uint32
    +--rw heartbeat-action?          mhb_action_type

```

RPCs

```

+---x get-maint-mode-status
  | +--ro output
  |   +--ro config-status?          mm-config-status
  |   +--ro overall-status?         mm-status-type
  |   +--ro num-stages?             uint32
  |   +--ro current-stage?          uint32
  |   +--ro max-time?               uint32
  |   +--ro max-enable-time?        uint32
  |   +--ro max-disable-time?       uint32
  |   +--ro stages
  |     +--ro stage* [stage-num]
  |       +--ro stage-num           uint32
  |       +--ro time-taken?         uint32
  |     +--ro daemons
  |       +--ro daemon* [daemon-name]
  |         +--ro daemon-name       string
  |         +--ro status?           mm-status-type
+---x get-system-maintenance-rate-monitoring
  | +--ro output
  |   +--ro rate-monitoring* [interface-name]
  |     +--ro interface-name        string
  |     +--ro description?          string
  |     +--ro local-state?          interface-state
  |     +--ro exception?            string
  |     +--ro rate?                 string
+---x maintenance-mode-turn-off
  | +--ro output
  |   +--ro result?                 string
+---x heartbeat-manager-send-heartbeat
  +--ro output
    +--ro result?                   string

```

brocade-system-monitor

When a threshold is breached or when a FRU is inserted or removed, a RASlog message is generated. Using this module, you can configure the marginal threshold and down threshold values for the following FRUs:

- Fans
- Power supplies
- Chassis ID (CID) card
- Each small form-factor pluggable (SFP) media interface
- Compact flash
- Management Module (MM)
- Line cards
- Switch Fabric Module (SFM)

Top-level container

```

module: brocade-system-monitor
  +--rw system-monitor
  |   +--rw fan
  |   |   +--rw threshold
  |   |   |   +--rw marginal-threshold?   uint32
  |   |   |   +--rw down-threshold?     uint32
  |   |   +--rw alert
  |   |       +--rw state?       supported-state
  |   |       +--rw action?     supported-actions
  |   +--rw power
  |   |   +--rw threshold
  |   |   |   +--rw marginal-threshold?   uint32
  |   |   |   +--rw down-threshold?     uint32
  |   |   +--rw alert
  |   |       +--rw state?       supported-state
  |   |       +--rw action?     supported-actions
  |   +--rw temp
  |   |   +--rw threshold
  |   |   |   +--rw marginal-threshold?   uint32
  |   |   |   +--rw down-threshold?     uint32
  |   +--rw cid-card
  |   |   +--rw threshold
  |   |   |   +--rw marginal-threshold?   uint32
  |   |   |   +--rw down-threshold?     uint32
  |   |   +--rw alert
  |   |       +--rw state?       supported-state
  |   |       +--rw action?     supported-actions
  |   +--rw compact-flash
  |   |   +--rw threshold
  |   |   |   +--rw marginal-threshold?   uint32
  |   |   |   +--rw down-threshold?     uint32
  |   +--rw MM
  |   |   +--rw threshold
  |   |   |   +--rw marginal-threshold?   uint32
  |   |   |   +--rw down-threshold?     uint32
  |   +--rw LineCard
  |   |   +--rw threshold
  |   |   |   +--rw marginal-threshold?   uint32
  |   |   |   +--rw down-threshold?     uint32
  |   |   +--rw alert
  |   |       +--rw state?       supported-state

```

```

| | +--rw action? supported-actions
| +--rw SFM
| | +--rw threshold
| | +--rw marginal-threshold? uint32
| | +--rw down-threshold? uint32
| +--rw port!
| | +--rw crc
| | +--rw port-crc-mon-action? enumeration
| | +--rw port-crc-mon-interval? uint16
| | +--rw port-crc-mon-threshold? uint8
| | +--rw port-crc-mon-disable? empty
| +--rw tm!
| +--rw discard-packet
| | +--rw tm-discard-packet-action? enumeration
| | +--rw tm-discard-packet-threshold? uint32
| | +--rw tm-discard-packet-interval? uint16
| +--rw discard-voq-packet
| | +--rw tm-discard-voq-packet-action? enumeration
| | +--rw tm-discard-voq-packet-threshold? uint32
| | +--rw tm-discard-voq-packet-interval? uint16
| +--rw delete-packet
| +--rw tm-delete-packet-action? enumeration
| +--rw tm-delete-packet-threshold? uint32
| +--rw tm-delete-packet-interval? uint16
+--rw system-monitor-mail
+--rw fru
| +--rw enable? empty
| +--rw email-list* [email]
| +--rw email string
+--rw sfp
| +--rw enable? empty
| +--rw email-list* [email]
| +--rw email string
+--rw security
| +--rw enable? empty
| +--rw email-list* [email]
| +--rw email string
+--rw interface
| +--rw enable? empty
| +--rw email-list* [email]
| +--rw email string
+--rw relay* [host-ip]
+--rw host-ip inet:host
+--rw domain-name? string

```

brocade-system-monitor-ext

RPCs

```
rpcs:
  +---x show-system-monitor
    +--ro output
      +--ro switch-status* []
        +--ro switch-name?      string
        +--ro switch-ip?        inet:ip-address
        +--ro report-time?      ietfyang:date-and-time
        +--ro switch-state?     system-monitor-health-state-enum
        +--ro switch-state-reason? string
        +--ro component-status* []
          | +--ro component-name? string
          | +--ro component-state? system-monitor-health-state-enum
        +--ro port-status* []
          +--ro port-area?      uint32
          +--ro port-name?      string
          +--ro port-state?     system-monitor-port-state-enum
```

brocade-system-watermark

Top-level container

```
module: brocade-system-watermark
  +--rw system-config
    +--rw interface
      | +--rw utilization-watermark?  empty
    +--rw system-maintenance:maintenance!
      +--rw system-maintenance:enable?          empty
      +--rw system-maintenance:convergence-time? uint32
      +--rw system-maintenance:shutdown-time?  uint32
      +--rw system-maintenance:enable-on-reboot? empty
```

brocade-telemetry

Top-level container

```

module: brocade-telemetry
  +--rw telemetry
    +--rw collector* [collector-name]
      | +--rw collector-name          common-def:name-string32
      | +--rw collector-ip
      | | +--rw collector-ip-address?  inet:ipv4-address
      | | +--rw collector-port?        inet:port-number
      | +--rw use-vrf?                 common-def:use-vrf
      | +--rw source-interface
      | | +--rw source-intf-type?      source-interface-type
      | | +--rw ethernet
      | | | +--rw source-intf-name?    ethernet-iftyp
      | | +--rw loopback
      | | | +--rw source-intf-name?    loopback-iftyp
      | | +--rw ve
      | | | +--rw source-intf-name?    ve-iftyp
      | | +--rw management
      | | | +--rw source-intf-name?    mm-iftyp
      | +--rw collector-profile* [collector-profiletype collector-profilename]
      | | +--rw collector-profiletype  telemetry-profile-type
      | | +--rw collector-profilename  collector-profile-name-type
      | +--rw collector-encoding?      collector-encoding-type
      | +--rw collector-activate?      empty
    +--rw server* [use-vrf]
      | +--rw use-vrf                  common-def:use-vrf
      | +--rw transport?               service-transport-type
      | +--rw port?                    service-port-type
      | +--rw activate?                empty
    +--rw profile
      | +--rw system-utilization* [name]
      | | +--rw name                    system-profile-name-type
      | | +--rw interval?               system-profile-interval-type
      | | +--rw add* [object]
      | | | +--rw object                 system-profile-object-type
      | +--rw interface* [name]
      | | +--rw name                    interface-profile-name-type
      | | +--rw interval?               interface-profile-interval-type
      | | +--rw interface* [interface-range]
      | | | +--rw interface-range        phy-interface-range-cli-pattern
      | | +--rw add* [object]
      | | | +--rw object                 interface-profile-object-type
      | +--rw enhanced-queue-discard-pkts* [name]
      | | +--rw name                    enhanced-queue-discard-pkts-profile-name-type
      | | +--rw interval?               queue-profile-interval-type
      | | +--rw interface-range?        phy-interface-range-cli-pattern
      | | +--rw add* [object]
      | | | +--rw object                 enhanced-queue-discard-pkts-profile-object-type
      | +--rw enhanced-queue-max-queue-depth* [name]
      | | +--rw name                    enhanced-queue-max-queue-depth-profile-name-type
      | | +--rw interval?               queue-profile-interval-type
      | | +--rw interface-range?        phy-interface-range-cli-pattern
      | | +--rw add* [object]
      | | | +--rw object                 enhanced-queue-max-queue-depth-profile-object-type
      | +--rw queue* [name]
      | | +--rw name                    queue-profile-name-type
      | | +--rw interval?               queue-profile-interval-type
      | | +--rw interface-range?        phy-interface-range-cli-pattern
      | | +--rw add* [object]

```

```

| | +--rw object queue-profile-object-type
| +--rw mpls-traffic-lsp* [name]
| | +--rw name mpls-traffic-lsp-profile-name-type
| | +--rw interval? mpls-traffic-profile-interval-type
| | +--rw mpls-traffic-lsps* [mpls-traffic-lsp-name]
| | | +--rw mpls-traffic-lsp-name string
| | +--rw add* [object]
| | +--rw object mpls-traffic-profile-object-type
| +--rw mpls-traffic-bypass* [name]
| | +--rw name mpls-traffic-bypass-profile-name-type
| | +--rw interval? mpls-traffic-profile-interval-type
| | +--rw mpls-traffic-bypasses* [mpls-traffic-bypass-name]
| | | +--rw mpls-traffic-bypass-name string
| | +--rw add* [object]
| | +--rw object mpls-traffic-profile-object-type
| +--rw mpls-traffic-fec* [name]
| | +--rw name mpls-traffic-fec-profile-name-type
| | +--rw interval? mpls-traffic-profile-interval-type
| | +--rw mpls-traffic-fecs* [mpls-traffic-fec-address]
| | | +--rw mpls-traffic-fec-address inet:ipv4-address
| | +--rw add* [object]
| | +--rw object mpls-traffic-profile-object-type
+--rw reset
+---x profile
+---w input
+---w profile-type? telemetry-profile-type

```

brocade-terminal

Top-level container

```
module: brocade-terminal
  +--rw terminal-cfg
    +--rw line* [sessionid]
      +--rw sessionid      terminal-type
      +--rw exec-timeout?  uint32
```

brocade-threshold-monitor

The following components are monitored:

- CPU usage, memory usage, buffer usage
- 1-, 10-, and 40-Gigabit Ethernet interfaces
- Security parameters, including Telnet violations and login violations
- BFD Sessions, VxLAN Tunnels, LIF, SFP, MAC Table, Routes, Hosts, Next Hop, ECMP
- ACL resources

Top-level container

```

module: extreme-threshold-monitor
  +--rw threshold-monitor-hidden
    +--rw threshold-monitor
      +--rw sfp
        | +--rw apply?      supported-config
        | +--rw pause?     empty
        | +--rw policy* [policy_name]
        |   +--rw policy_name  string
        |   +--rw area* [type area_value]
        |     +--rw type        enumeration
        |     +--rw area_value  enumeration
        |     +--rw threshold
        |       | +--rw high-threshold?  int32
        |       | +--rw low-threshold?   int32
        |       | +--rw buffer?         int32
        |       +--rw alert
        |         +--rw above
        |           | +--rw above-highthresh-action?  supported-actions
        |           +--rw below
        |             +--rw below-highthresh-action?  supported-actions
        |             +--rw below-lowthresh-action?   supported-actions
      +--rw Cpu
        | +--rw poll?      uint32
        | +--rw retry?     uint32
        | +--rw limit?     uint32
        | +--rw actions?   enumeration
      +--rw Memory
        | +--rw poll?      uint32
        | +--rw retry?     uint32
        | +--rw high-limit? uint32
        | +--rw actions?   enumeration
      +--rw Buffer
        | +--rw poll?      uint32
        | +--rw retry?     uint32
        | +--rw limit?     uint32
        | +--rw actions?   enumeration
      +--rw bfd-session
        | +--rw high-limit? uint32
        | +--rw low-limit?  uint32
        | +--rw actions?   enumeration
      +--rw vxlan-tunnel
        | +--rw high-limit? uint32
        | +--rw low-limit?  uint32
        | +--rw actions?   enumeration
      +--rw lif
        | +--rw high-limit? uint32
        | +--rw low-limit?  uint32
        | +--rw actions?   enumeration
  
```

```

+--rw mac-table
| +--rw high-limit? uint32
| +--rw low-limit?  uint32
| +--rw actions?   enumeration
+--rw route
| +--rw high-limit? uint32
| +--rw low-limit?  uint32
| +--rw actions?   enumeration
+--rw host
| +--rw high-limit? uint32
| +--rw low-limit?  uint32
| +--rw actions?   enumeration
+--rw nexthop
| +--rw high-limit? uint32
| +--rw low-limit?  uint32
| +--rw actions?   enumeration
+--rw ecmp
| +--rw high-limit? uint32
| +--rw low-limit?  uint32
| +--rw actions?   enumeration
+--rw hardware-resources
| +--rw count?      uint32
| +--rw interval?  uint32
+--rw acl
  +--rw mac-in
  | +--rw high-limit? uint32
  | +--rw low-limit?  uint32
  | +--rw actions?   enumeration
  +--rw mac-out
  | +--rw high-limit? uint32
  | +--rw low-limit?  uint32
  | +--rw actions?   enumeration
  +--rw ip-in
  | +--rw high-limit? uint32
  | +--rw low-limit?  uint32
  | +--rw actions?   enumeration
  +--rw ip-out
  | +--rw high-limit? uint32
  | +--rw low-limit?  uint32
  | +--rw actions?   enumeration
  +--rw ipv6-in
  | +--rw high-limit? uint32
  | +--rw low-limit?  uint32
  | +--rw actions?   enumeration
  +--rw ipv6-out
  +--rw high-limit? uint32
  +--rw low-limit?  uint32
  +--rw actions?   enumeration

```

brocade-tm-stats

RPCs

```
rpcs:
  +---x clear-tm-voq-stat-ing-all-egr-all
  | +---w input
  |   +---w clear-tm-voq-ing-all-egress-port-all?  boolean
  +---x clear-tm-voq-stat-ing-all-egr-ifname
  | +---w input
  |   +---w clear-tm-voq-ing-all-egress-port-name?  string
  +---x clear-tm-voq-stat-slot-id-egr-all
  | +---w input
  |   +---w slot-id                                common-def:lc-number-type
  |   +---w clear-tm-voq-slot-egress-port-all?    boolean
  +---x clear-tm-voq-slot-id-egress-port-name
  | +---w input
  |   +---w slot-id                                common-def:lc-number-type
  |   +---w clear-tm-voq-slot-egress-port-name    string
```

brocade-topology-group

Top-level container

```
module: brocade-topology-group
  +--rw topology-group* [topology-group-id]
    +--rw topology-group-id      uint32
    +--rw master-vlan?           uint32
    +--rw member-vlan
      | +--rw member-vlan-add?    ui32-member-vlan-range
      | +--rw member-vlan-remove? ui32-member-vlan-range
    +--rw member-bridge-domain
      +--rw member-bridge-domain-add?    bd:ui32-bridge-domain-range
      +--rw member-bridge-domain-remove? bd:ui32-bridge-domain-range
```

brocade-tpvm

Top-level container

```

module: brocade-tpvm
  +--rw tpvm
    +---x install
      | +---w input
      | | +---w tpvmid?   string
      | | +---w blade?   bladeType
      | | +---w debug?   boolean
      | +--ro output
      |   +--ro tpvm-install-msg? string
    +---x uninstall
      | +---w input
      | | +---w tpvmid?   string
      | | +---w force?   empty
      | | +---w blade?   bladeType
      | | +---w debug?   boolean
      | +--ro output
      |   +--ro tpvm-uninstall-msg? string
    +---x download
      | +---w input
      | | +---w protocol   enumeration
      | | +---w user       string
      | | +---w password   string
      | | +---w host       inet:host
      | | +---w directory  string
      | | +---w filename   string
      | | +---w use-vrf?   common-def:use-vrf
      | | +---w sanity?    string
      | | +---w block?     empty
      | +--ro output
      |   +--ro tpvm-filename?  string
      |   +--ro tpvm-version?   string
      |   +--ro tpvm-length?    string
      |   +--ro tpvm-status?    string
    +---x fileinfo
      | +--ro output
      |   +--ro tpvm-filename?  string
      |   +--ro tpvm-version?   string
      |   +--ro tpvm-length?    string
      |   +--ro tpvm-status?    string
    +---x upgrade
      | +---w input
      | | +---w tpvmid?           string
      | | +---w (file-options)
      | | | +---:(local)
      | | | | +---w uselocalfile  empty
      | | | +---:(remote)
      | | | | +---w protocol      enumeration
      | | | | +---w user          string
      | | | | +---w password      string
      | | | | +---w host          inet:host
      | | | | +---w directory     string
      | | | | +---w filename      string
      | | | | +---w use-vrf?      common-def:use-vrf
      | | +---w snapshot?         empty
      | | +---w incremental?      empty
      | | +---w force-default-password-change? empty
      | +--ro output
      |   +--ro tpvm-upgrade-msg? string
  
```

```

+---x password
| +---w input
| | +---w blade?  bladeType
| | +---w debug?  boolean
| +--ro output
|   +--ro tpvm-update-password-msg?  string
+---x start
| +---w input
| | +---w tpvmid?  string
| | +---w blade?  bladeType
| | +---w debug?  boolean
| +--ro output
|   +--ro tpvm-start-msg?  string
+---x stop
| +---w input
| | +---w tpvmid?  string
| | +---w blade?  bladeType
| | +---w debug?  boolean
| +--ro output
|   +--ro tpvm-stop-msg?  string
+--rw auto-boot
| +---x enable
| | +---w input
| | | +---w blade?  bladeType
| | | +---w debug?  boolean
| | +--ro output
| |   +--ro tpvm-enable-on-boot-msg?  string
| +---x disable
| | +---w input
| | | +---w blade?  bladeType
| | | +---w debug?  boolean
| | +--ro output
| |   +--ro tpvm-disable-on-boot-msg?  string
+--rw service-port
| +---x enable
| | +---w input
| | | +---w blade?  bladeType
| | | +---w debug?  boolean
| | +--ro output
| |   +--ro tpvm-sp-enable-msg?  string
+--rw disk
| +---x add
| | +---w input
| | | +---w name      union
| | | +---w size      diskSize
| | | +---w blade?    bladeType
| | | +---w debug?    boolean
| | +--ro output
| |   +--ro tpvm-add-disk-msg?  string
| +---x remove
| | +---w input
| | | +---w name      union
| | | +---w blade?    bladeType
| | | +---w debug?    boolean
| | +--ro output
| |   +--ro tpvm-remove-disk-msg?  string
+--rw deploy
| +---x mgmt
| | +---w input
| | | +---w (options)
| | | | +---w dhcp      empty
| | | | +---w ipaddr     union
| | | | +---w ipaddr     union

```

```

| | | | +---w gw?          tpvm-ipv4-address
| | | +---w allow-pwless?  empty
| | | +---w admin-pwd?    string
| | | +---w confirm-pwd?  string
| | +--ro output
| |   +--ro tpvm-mgmt-deploy-msg?  string
+--rw insight-intf
|   +---x insight
|   +---w input
|       +---w ipaddr          union
|       +---w gw?            tpvm-ipv4-address
|       +---w allow-pwless?  empty
|       +---w admin-pwd?    string
|       +---w confirm-pwd?  string
+--rw config
| +--rw ldap
| | +---x add
| | | +---w input
| | |   +---w ldap-server
| | |   | +---w host?          inet:host
| | |   | +---w ldap-server-options
| | |   |   +---w port?      uint16
| | |   |   +---w secure?   empty
| | |   |   +---w basedn?   string
| | |   |   +---w rootdn?   string
| | |   |   +---w rootdnpw? string
| | | +---x remove
| | | +---w input
| | |   +---w ldap-server
| | |   | +---w host?          inet:host
| | |   | +---w ldap-server-options
| | |   |   +---w port?      empty
| | |   |   +---w secure?   empty
| | |   |   +---w basedn?   empty
| | |   |   +---w rootdn?   empty
| | |   |   +---w rootdnpw? empty
| | +--rw ca-cert
| | | +---x import
| | | | +---w input
| | | |   +---w protocol      enumeration
| | | |   +---w user          string
| | | |   +---w password?    string
| | | |   +---w host          inet:host
| | | |   +---w directory    string
| | | |   +---w filename     string
| | | +---x remove
+--rw ntp
| +---x add
| | +---w input
| | | +---w server          tpvm-ntp-server
| | +---x remove
| | +---w input
| | | +---w server          tpvm-ntp-server
| | +---x default
+--rw dns
| +---x add
| | +---w input
| | | +---w dns
| | |   +---w dns-server          inet:ipv4-address
| | |   +---w secondary-dns-server?  inet:ipv4-address
| | |   +---w domain
| | |   +---w domain-name?  string
| | +---x remove
+--rw system-attributes

```

```

| | +---x hostname
| | | +---w input
| | | +---w name      string
| | +---x timezone
| | | +---w input
| | | +---w zone      common-def:timezone
+--rw trusted-peer
|   +---x add
|   | +---w input
|   | +---w pwless
|   | | +---w peer-ip      inet:ipv4-address
|   | | +---w credentials
|   | | +---w peer-password  string
|   | | +---w peer-sudoer?  string
|   +---x remove
|   | +---w input
|   | +---w pwless
|   | | +---w peer-ip      inet:ipv4-address
|   | | +---w credentials
|   | | +---w peer-password  string
|   | | +---w peer-sudoer?  string
+--rw snapshot
|   +---x create
|   | +---w input
|   | | +---w tpmid?      string
|   | | +---w withefa?   boolean
|   | +--ro output
|   | | +---ro tsvm-snapshot-action-result?  tsvmActionResult
|   | | +---ro tsvm-snapshot-msg?          string
|   +---x delete
|   | +---w input
|   | | +---w tpmid?      string
|   | +--ro output
|   | | +---ro tsvm-snapshot-action-result?  tsvmActionResult
|   | | +---ro tsvm-snapshot-msg?          string
|   +---x revert
|   | +---w input
|   | | +---w tpmid?      string
|   | +--ro output
|   | | +---ro tsvm-snapshot-action-result?  tsvmActionResult
|   | | +---ro tsvm-snapshot-msg?          string

```

RPCs

```

rpcs:
+---x get-tpvm-detail
+---w input
| +---w tsvm-instance-id?  string
+--ro output
+--ro tsvm
| +--ro tsvm-state?        tsvmStateType
| +--ro additional-status? string
| +--ro version?          string
| +--ro auto-boot-enabled? empty
| +--ro allow-pwless-enabled? empty
| +--ro password?         string
| +--ro hostname?        string
| +--ro timezone?        string
+--ro ldap
| +--ro host?             string
| +--ro port?            uint16
| +--ro secure?          empty
| +--ro basedn?          string

```

```
| +--ro rootdn?      string
| +--ro rootdnpw?   string
+--ro dns
| +--ro primary?    union
| +--ro secondary? union
| +--ro domain?     string
+--ro ntp* [server]
| +--ro server      string
+--ro trusted-peer
| +--ro (options)
| | +--:(peer-ip)
| | | +--ro peer-ip          inet:ipv4-address
| | +--:(peer-ipv6)
| |   +--ro peer-ipv6       inet:ipv6-address
| +--ro sudo-user?        string
| +--ro peer-password?    string
+--ro disk* [disk-name]
| +--ro disk-name        string
| +--ro disk-size?      string
+--ro interface* [interface-name]
  +--ro interface-name   string
  +--ro ipv4-address?    string
  +--ro gateway?         inet:ipv4-address
  +--ro ipv6-address?    string
  +--ro gateway-v6?     inet:ipv6-address
```

brocade-tunnels

Top-level container

```

module: brocade-tunnels
  +--rw nsx-controller* [name]
  |   +--rw name                nvp-controller-name-type
  |   +--rw connection-addr
  |   |   +--rw address?       inet:ip-address
  |   |   +--rw port?         uint32
  |   |   +--rw method?       enumeration
  |   +--rw reconnect-interval? uint32
  |   +--rw activate?         empty
  +--rw overlay-gateway* [name]
  |   +--rw name                overlay-gw-name-type
  |   +--rw gw-type?           overlay-gw-type
  |   +--rw ip
  |   |   +--rw interface
  |   |   |   +--rw ve
  |   |   |   |   +--rw ve-id?           intf:ve-type
  |   |   |   |   |   +--rw vrrp-extended-group? vrrp:vrid-type
  |   |   |   |   |   +--rw fabric-virtual-gateway!
  |   |   |   +--rw loopback
  |   |   |   |   +--rw loopback-id?    lo:intf-loopback-port-type
  |   +--rw map
  |   |   +--rw vlan-and-bd
  |   |   |   +--rw vni
  |   |   |   |   +--rw auto?         empty
  |   |   +--rw vlan-vni-mapping* [vid]
  |   |   |   +--rw vid             vlan-type
  |   |   |   +--rw vni?           vni-type
  |   |   +--rw bd-vni-mapping* [bdid]
  |   |   |   +--rw bdid          bridge-domain-id-type
  |   |   |   +--rw vni?         vni-type
  |   +--rw optimized-replication!
  |   |   +--rw underlay-mdt-default-group? inet:ipv4-address
  |   |   +--rw underlay-mdt-group* [group-ip-address broadcast-domain-type]
  |   |   |   +--rw group-ip-address    inet:ipv4-address
  |   |   |   +--rw broadcast-domain-type broadcast-domain-enum-type
  |   |   |   +--rw add?               intf:ui32-vlan-20k-range
  |   |   |   +--rw remove?           intf:ui32-vlan-20k-range
  |   +--rw qos-dscp-mode?           qos-mode-type
  |   +--rw access-lists
  |   |   +--rw overlay-acl-in
  |   |   |   +--rw in-name?         overlay-acl-name
  |   |   |   +--rw in-dir?         empty
  |   +--rw site* [name]
  |   |   +--rw name                site-id-type
  |   |   +--rw description?       string
  |   |   +--rw tunnel-dst* [address]
  |   |   |   +--rw address         inet:ip-address
  |   |   +--rw static* [mac-address vni-num]
  |   |   |   +--rw mac-address     mac-access-list:mac-address-type
  |   |   |   +--rw vni-num        vni-num-type
  |   |   +--rw extend
  |   |   |   +--rw vlan
  |   |   |   |   +--rw add?       vlan-range-type
  |   |   |   |   +--rw remove?   vlan-range-type
  |   |   |   +--rw bridge-domain
  |   |   |   |   +--rw bd-add?    bridge-domain-id-range-type
  |   |   |   |   +--rw bd-remove? bridge-domain-id-range-type
  |   |   +--rw mac-learning

```

```
| | | +--rw protocol? mac-learning-PROTO-type
| | +--rw bfd-enable? empty
| | +--rw bfd
| | | +--rw params
| | | | +--rw interval
| | | | | +--rw min-tx? bfd-tx-interval-type
| | | | | +--rw min-rx? bfd-rx-interval-type
| | | | | +--rw multiplier? bfd-multiplier-type
| | | | +--rw bfd-shutdown? empty
| | +--rw shutdown? empty
| +--rw activate? empty
+--rw ovsdb-server* [name]
| +--rw name ovsdb-server-name-type
| +--rw port? ovsdb-server-port-type
| +--rw activate? empty
+--rw tunnel-settings
  +--rw system
    +--rw tunnel
      +--rw suppress-debounce? empty
      +--rw replicator
        +--rw load-balance? empty
```

brocade-tunnels-ext

RPCs

```

rpcs:
  +---x get-tunnel-info
  | +---w input
  | | +---w page-cursor?      string
  | | +---w node-id*         uint32
  | | +---w (filter-type)?
  | |   +---:(filter-by-id)
  | |     | +---w id?         tnl:tunnel-id-type
  | |     +---:(filter-by-mode)
  | |     | +---w mode?       tnl:tunnel-mode-type
  | |     +---:(filter-by-gateway)
  | |     | +---w gw-name?    tnl:overlay-gw-name-type
  | |     +---:(filter-by-sip)
  | |     | +---w src-ip?     inet:ipv4-address
  | |     +---:(filter-by-dip)
  | |     | +---w dest-ip?    inet:ipv4-address
  | |     +---:(filter-by-cfg-src)
  | |     | +---w config-src?  config-src-type
  | |     +---:(filter-by-site)
  | |     | +---w site-name?   tnl:site-id-type
  | |     +---:(filter-by-adm-state)
  | |     | +---w admin-state? proto-state-type
  | |     +---:(filter-by-opr-state)
  | |     | +---w oper-state?  proto-state-type
  | |     +---:(filter-by-bfd-state)
  | |     | +---w bfd-state?   proto-state-type
  | +--ro output
  | | +---ro tunnel* []
  | |   | +---ro id?           tnl:tunnel-id-type
  | |   | +---ro mode?        tnl:tunnel-mode-type
  | |   | +---ro src-ip?      inet:ip-address
  | |   | +---ro dest-ip?     inet:ip-address
  | |   | +---ro vrf?         comn:vrf-name
  | |   | +---ro config-src?   config-src-type
  | |   | +---ro admin-state?  proto-state-type
  | |   | +---ro oper-state?   proto-state-type
  | |   | +---ro bfd-state?    proto-state-type
  | |   | +---ro tunnel-type?  tunnel-type
  | |   | +---ro nodes
  | |   | | +---ro node-id*    uint32
  | |   | | +---ro has-conflicts? empty
  | |   +---ro next-page-cursor? string
  +---x get-tunnel-statistics
  | +---w input
  | | +---w page-cursor?      string
  | | +---w node-id*         uint32
  | | +---w (filter-type)?
  | |   +---:(filter-by-id)
  | |     | +---w id?         tnl:tunnel-id-type
  | |     +---:(filter-by-mode)
  | |     | +---w mode?       tnl:tunnel-mode-type
  | |     +---:(filter-by-gateway)
  | |     | +---w gw-name?    tnl:overlay-gw-name-type
  | +--ro output
  | | +---ro tunnel-stat* []
  | |   | +---ro id?           tnl:tunnel-id-type
  | |   | +---ro tx-frames?    uint64
  | |   | +---ro tx-bytes?     uint64

```

```
    | +--ro rx-frames?   uint64
    | +--ro rx-bytes?    uint64
    +--ro next-page-cursor? string
module: brocade-tunnels
  +--rw nsx-controller* [name]
```

brocade-uda-access-list

Top-level container

```

+--rw uda
|   +--rw access-list
|       +--rw extended* [name]
|           +--rw name                uda-acl-name
|           +--rw uda-acl-ext
|               +--rw seq* [seq-id]
|                   +--rw seq-id        uint64
|                   +--rw action        enumeration
|                   +--rw uda-value0    uda-value-type
|                   +--rw uda-value-mask0  uda-mask-type
|                   +--rw uda-value1    uda-value-type
|                   +--rw uda-value-mask1  uda-mask-type
|                   +--rw uda-value2    uda-value-type
|                   +--rw uda-value-mask2  uda-mask-type
|                   +--rw uda-value3    uda-value-type
|                   +--rw uda-value-mask3  uda-mask-type
|                   +--rw count?        empty
|                   +--rw log?         empty
|                   +--rw mirror?      empty
|                   +--rw sflow?       empty
+--rw uda-key
    +--rw profile* [name]
        +--rw name                uda-profile-name
        +--rw uda-profile-offsets
            +--rw offset-base1?    uda-offset-base-type
            +--rw negative1?       empty
            +--rw uda-offset1?     uda-offset-value-type
            +--rw offset-base2?    uda-offset-base-type
            +--rw negative2?       empty
            +--rw uda-offset2?     uda-offset-value-type
            +--rw offset-base3?    uda-offset-base-type
            +--rw negative3?       empty
            +--rw uda-offset3?     uda-offset-value-type
            +--rw offset-base4?    uda-offset-base-type
            +--rw negative4?       empty
            +--rw uda-offset4?     uda-offset-value-type

```


brocade-vcs

VCS fabric refers to the ability of a group of physical Ethernet switches, interconnected in an arbitrary way using the regular front-end data ports, to appear as one unified and transparent Ethernet switching service to the external network. The network that connects these individual switches is referred to as the fabric. The group of physical Ethernet switches in the fabric is referred to as the cluster.

The cluster behaves like a logical switch to the external network.

Top-level container

```

module: brocade-vcs
+--ro vcsmode
| +--ro vcs-mode          boolean
| +--ro vcs-cluster-mode  boolean
+--ro local-node
| +--ro swbd-number      uint32
+--rw vcs
+--rw virtual
| +--rw ip
| | +--rw address* [address]
| |   +--rw address      common-def:ipv4-address-prefix-type
| |   +--rw inband
| |   +--rw interface
| |   +--rw ve?          ve-type
| +--rw ipv6
|   +--rw address* [ipv6address]
|   +--rw ipv6address    common-def:ipv6-address-prefix
+--rw virtual-fabric
+--rw vfab-enable?      empty

```

RPCs

```

rpcs:
+---x get-last-config-update-time
| +--ro output
|   +--ro last-config-update-time?  uint64
+---x show-vcs
| +--ro output
|   +--ro principal-switch-wnn?      string
|   +--ro co-ordinator-wnn?         string
|   +--ro vcs-cluster-type-info?    vcs-cluster-type
|   +--ro vcs-guid?                 string
|   +--ro virtual-ip-address?       string
|   +--ro virtual-ipv6-address?     string
|   +--ro total-nodes-in-cluster?   uint16
|   +--ro nodes-disconnected-from-cluster?  uint16
|   +--ro cluster-generic-status?    string
|   +--ro cluster-specific-status?   string
|   +--ro vcs-nodes
|     +--ro vcs-node-info* []
|       +--ro node-num?              uint16
|       +--ro node-serial-num?       string
|       +--ro node-condition?        string
|       +--ro node-status?           string
|       +--ro node-hw-sync-state?     node-hw-sync-state-type
|       +--ro node-vcs-mode?         string
|       +--ro node-vcs-id?           uint16

```

```

|         +--ro node-rbridge-id?           uint16
|         +--ro node-is-principal?        boolean
|         +--ro co-ordinator?             boolean
|         +--ro node-switch-mac?          yang:mac-address
|         +--ro node-switch-wwn?          string
|         +--ro switch-fcf-mac?           yang:mac-address
|         +--ro node-internal-ip-address? inet:ipv4-address
|         +--ro node-public-ip-addresses* []
|         | +--ro node-public-ip-address? inet:ipv4-address
|         +--ro node-public-ipv6-addresses* []
|         | +--ro node-public-ipv6-address? inet:ipv6-address
|         +--ro firmware-version?         string
|         +--ro node-swbd-number?         int32
|         +--ro node-switchname?          string
|         +--ro node-switchtype?          string
|         +--ro node-switch-subtype?      uint16
|         +--ro node-switch-description?   string
|         +--ro manufacturer-name?        string
|         +--ro node-state?               node-state-type
|         +--ro node-fabric-state?        string
+----x get-vcs-details
|   +--ro output
|   | +--ro vcs-details
|   | | +--ro principal-switch-wwn?   string
|   | | +--ro co-ordinator-wwn?       string
|   | | +--ro local-switch-wwn?       string
|   | | +--ro node-vcs-mode?           boolean
|   | | +--ro node-vcs-type?           vcs-cluster-type
|   | | +--ro node-vcs-id?             uint32
+----x vcs-rbridge-config
|   +---w input
|   | +---w vcs-id?           uint16
|   | +---w rbridge-id?      uint16
+----x vcs-rbridge-context
|   +---w input
|   | +---w rbridge-id?      uint16
+----x no-vcs-rbridge-context
+----x get-last-config-update-time-for-xpaths
|   +---w input
|   | +---w xpath-strings* [xpath-string]
|   | | +---w xpath-string  string
|   +---ro output
|   | +---ro last-config-update-time-for-xpaths* [xpath-string]
|   | | +--ro xpath-string  string
|   | | +--ro last-config-update-time?  uint64

```

brocade-vlan

Top-level container

```
module: brocade-vlan
  +--rw vlan
    +--rw dot1q
      +--rw tag
        +--rw native?  empty
```

brocade-vrf

Top-level container

```

module: brocade-vrf
+--rw vrf* [vrf-name]
  +--rw vrf-name          common-def:vrf-name
  +--rw route-distinguisher? rd-type
  +--rw vpn-statistics?   empty
  +--rw resilient-hash
  | +--rw ecmp
  | | +--rw resilient-hash-ecmp-enable? empty
  | +--rw max-path?      uint32
  +--rw evpn
  | +--rw irb
  |   +--rw ve?          interface:ve-type
  |   +--rw cluster-gateway? empty
  +--rw route-target* [action target-community]
  | +--rw action          enumeration
  | +--rw target-community four-byte-rt-type
  +--rw address-family
  | +--rw ip
  | | +--rw unicast!
  | |   +--rw max-route?          uint32
  | |   +--rw route-target-container
  | |     +--rw route-target-evpn* [action target-community]
  | |     | +--rw action          enumeration
  | |     | +--rw target-community four-byte-rt-type
  | |     | +--rw evpn?          empty
  | |     +--rw route-target-container-ipv4
  | |     | +--rw route-target* [action target-community]
  | |     | +--rw action          enumeration
  | |     | +--rw target-community four-byte-rt-type
  | |     | +--rw evpn?          empty
  | |     +--rw import-vpn
  | |     | +--rw import
  | |     |   +--rw map-import-vpn? route-map-type
  | |     +--rw import
  | |     | +--rw map-import?    route-map-type
  | |     | +--rw evpn-import?   empty
  | |     +--rw export-vpn
  | |     | +--rw export
  | |     |   +--rw map-export-vpn? route-map-type
  | |     +--rw export
  | |     | +--rw map-export?    route-map-type
  | |     | +--rw evpn-export?   empty
  | |     +--rw bgp
  | |     | +--rw next-hop
  | |     |   +--rw loopback?    intf-loopback:intf-loopback-port-type
  | |     +--rw arp:arp-entry* [arp-ip-address]
  | |     | +--rw arp:arp-ip-address      inet:ipv4-address
  | |     | +--rw arp:mac-address-value?  mac-access-list:mac-address-type
  | |     | +--rw arp:interfacename?     enumeration
  | |     | +--rw (arp:interfacetype)?
  | |     |   +--:(arp:Port-channel)
  | |     |   | +--rw arp:Port-channel?   interface:portchannel-type
  | |     |   +--:(arp:Ethernet)
  | |     |   | +--rw arp:Ethernet?       interface:interface-type
  | |     |   +--:(arp:Ve)
  | |     |   | +--rw arp:Ve?             interface:ve-type
  | |     +--rw rtm:ip
  | |     | +--rw rtm:route

```

```

| | | | +--rw rtm:static-route-nh* [static-route-dest static-route-next-hop]
| | | | | +--rw rtm:static-route-dest inet:ipv4-prefix
| | | | | +--rw rtm:static-route-next-hop inet:ipv4-address
| | | | | +--rw rtm:route-attributes
| | | | | | +--rw rtm:metric? uint32
| | | | | | +--rw rtm:distance? uint32
| | | | | | +--rw rtm:tag? uint32
| | | | | | +--rw rtm:route_name? ip-static-route-name
| | | | | +--rw rtm:static-route-nh-vrf* [static-route-next-vrf-dest next-hop-
vrf static-route-next-hop]
| | | | | | +--rw rtm:static-route-next-vrf-dest inet:ipv4-prefix
| | | | | | +--rw rtm:next-hop-vrf common-def:vrf-name
| | | | | | +--rw rtm:static-route-next-hop inet:ipv4-address
| | | | | +--rw rtm:static-route-oif-vrf* [static-route-next-vrf-dest next-hop-
vrf static-route-oif-type static-route-oif-name]
| | | | | | +--rw rtm:static-route-next-vrf-dest inet:ipv4-prefix
| | | | | | +--rw rtm:next-hop-vrf common-def:vrf-name
| | | | | | +--rw rtm:static-route-oif-type enumeration
| | | | | | +--rw rtm:static-route-oif-name string
| | | | | +--rw rtm:static-route-oif* [static-route-dest static-route-oif-type
static-route-oif-name]
| | | | | | +--rw rtm:static-route-dest inet:ipv4-prefix
| | | | | | +--rw rtm:static-route-oif-type enumeration
| | | | | | +--rw rtm:static-route-oif-name string
| | | | | | +--rw rtm:route-attributes
| | | | | | | +--rw rtm:metric? uint32
| | | | | | | +--rw rtm:distance? uint32
| | | | | | | +--rw rtm:tag? uint32
| | | | | | | +--rw rtm:route_name? ip-static-route-name
| | | | | | +--rw rtm:static
| | | | | | +--rw rtm:bfd
| | | | | | +--rw rtm:bfd-static-route* [bfd-static-route-dest bfd-static-
route-src]
| | | | | | | +--rw rtm:bfd-static-route-dest inet:ipv4-address
| | | | | | | +--rw rtm:bfd-static-route-src inet:ipv4-address
| | | | | | | +--rw rtm:bfd-interval-attributes
| | | | | | | | +--rw rtm:interval? uint16
| | | | | | | | +--rw rtm:min-rx? uint16
| | | | | | | | +--rw rtm:multiplier? uint8
| | | | | | | | +--rw rtm:holdover-interval? uint8
| | | | | | | +--rw rtm:next-hop-recursion? empty
| | | | | | +--rw rtm:import
| | | | | | | +--rw rtm:routes* [src-vrf route-map]
| | | | | | | | +--rw rtm:src-vrf common-def:vrf-name
| | | | | | | | +--rw rtm:route-map common-def:name-string63
| | +--rw ipv6
| | | +--rw unicast!
| | | | +--rw max-route? uint32
| | | | +--rw route-target-container-ipv6
| | | | | +--rw route-target-evpn* [action target-community]
| | | | | | +--rw action enumeration
| | | | | | +--rw target-community four-byte-rt-type
| | | | | | +--rw evpn? empty
| | | | | +--rw route-taret-container-ipv6
| | | | | | +--rw route-target* [action target-community]
| | | | | | | +--rw action enumeration
| | | | | | | +--rw target-community four-byte-rt-type
| | | | | | | +--rw evpn? empty
| | | | +--rw import-vpn
| | | | | +--rw import
| | | | | | +--rw map-import-vpn? route-map-type
| | | | +--rw import
| | | | | +--rw map-import? route-map-type
| | | | | +--rw evpn-import? empty

```

```

|         +---rw export-vpn
|         | +---rw export
|         | | +---rw map-export-vpn?   route-map-type
|         +---rw export
|         | +---rw map-export?   route-map-type
|         | +---rw evpn-export?   empty
|         +---rw bgp
|         | +---rw next-hop
|         | | +---rw loopback?   intf-loopback:intf-loopback-port-type
|         +---rw ipv6-route:ipv6
|         | +---rw ipv6-route:route
|         | | +---rw ipv6-route:static-route-nh* [static-route-dest static-route-
next-hop]
|         | | | +---rw ipv6-route:static-route-dest      inet:ipv6-prefix
|         | | | +---rw ipv6-route:static-route-next-hop  inet:ipv6-address
|         | | | +---rw ipv6-route:route-attributes
|         | | | +---rw ipv6-route:metric?                uint32
|         | | | +---rw ipv6-route:distance?              uint32
|         | | | +---rw ipv6-route:tag?                  uint32
|         | | | +---rw ipv6-route:route_name?           rtm:ip-static-route-name
|         | | | +---rw ipv6-route:static-route-oif* [static-route-dest static-route-
oif-type static-route-oif-name]
|         | | | +---rw ipv6-route:static-route-dest      inet:ipv6-prefix
|         | | | +---rw ipv6-route:static-route-oif-type  enumeration
|         | | | +---rw ipv6-route:static-route-oif-name  string
|         | | | +---rw ipv6-route:route-attributes
|         | | | +---rw ipv6-route:metric?                uint32
|         | | | +---rw ipv6-route:distance?              uint32
|         | | | +---rw ipv6-route:tag?                  uint32
|         | | | +---rw ipv6-route:route_name?           rtm:ip-static-route-name
|         | | | +---rw ipv6-route:link-local-static-route-nh* [link-local-static-route-
dest link-local-nexthop link-local-route-oif-type link-local-route-oif-name]
|         | | | +---rw ipv6-route:link-local-static-route-dest  inet:ipv6-prefix
|         | | | +---rw ipv6-route:link-local-nexthop          inet:ipv6-address
|         | | | +---rw ipv6-route:link-local-route-oif-type  enumeration
|         | | | +---rw ipv6-route:link-local-route-oif-name  string
|         | | | +---rw ipv6-route:route-attributes
|         | | | +---rw ipv6-route:metric?                uint32
|         | | | +---rw ipv6-route:distance?              uint32
|         | | | +---rw ipv6-route:tag?                  uint32
|         | | | +---rw ipv6-route:route_name?           rtm:ip-static-route-name
|         | | | +---rw ipv6-route:static-route-nh-vrf* [static-route-next-vrf-dest
next-hop-vrf static-route-next-hop]
|         | | | +---rw ipv6-route:static-route-next-vrf-dest  inet:ipv6-prefix
|         | | | +---rw ipv6-route:next-hop-vrf              common-def:vrf-name
|         | | | +---rw ipv6-route:static-route-next-hop      inet:ipv6-address
|         | | | +---rw ipv6-route:link-local-static-route-nh-vrf* [static-route-next-
vrf-dest next-hop-vrf link-local-next-hop link-local-route-oif-type link-local-route-oif-
name]
|         | | | +---rw ipv6-route:static-route-next-vrf-dest  inet:ipv6-prefix
|         | | | +---rw ipv6-route:next-hop-vrf              common-def:vrf-name
|         | | | +---rw ipv6-route:link-local-next-hop        inet:ipv6-address
|         | | | +---rw ipv6-route:link-local-route-oif-type  enumeration
|         | | | +---rw ipv6-route:link-local-route-oif-name  string
|         | | | +---rw ipv6-route:ipv6-static-route-oif-vrf* [static-route-next-vrf-
dest next-hop-vrf static-route-oif-type static-route-oif-name]
|         | | | +---rw ipv6-route:static-route-next-vrf-dest  inet:ipv6-prefix
|         | | | +---rw ipv6-route:next-hop-vrf              common-def:vrf-name
|         | | | +---rw ipv6-route:link-local-next-hop        inet:ipv6-address
|         | | | +---rw ipv6-route:static-route-oif-type      enumeration
|         | | | +---rw ipv6-route:static-route-oif-name      string
|         | | | +---rw ipv6-route:static
|         | | | +---rw ipv6-route:bfd
|         | | | +---rw ipv6-route:bfd-ipv6-static-route* [bfd-ipv6-static-route-
dest bfd-ipv6-static-route-src]

```

```

|
| | | | +--rw ipv6-route:bfd-ipv6-static-route-dest      inet:ipv6-
address
|
| | | | +--rw ipv6-route:bfd-ipv6-static-route-src      inet:ipv6-
address
|
| | | | +--rw ipv6-route:bfd-ipv6-interval-attributes
| | | |   +--rw ipv6-route:interval?      uint16
| | | |   +--rw ipv6-route:min-rx?       uint16
| | | |   +--rw ipv6-route:multiplier?   uint8
| | | | +--rw ipv6-route:bfd-ipv6-link-local-static-route* [bfd-ipv6-
link-local-dest bfd-ipv6-link-local-src bfd-interface-type bfd-interface-name]
| | | |   +--rw ipv6-route:bfd-ipv6-link-local-dest      inet:ipv6-
address
| | | |   +--rw ipv6-route:bfd-ipv6-link-local-src      inet:ipv6-
address
| | | |   +--rw ipv6-route:bfd-interface-type            enumeration
| | | |   +--rw ipv6-route:bfd-interface-name            string
| | | |   +--rw ipv6-route:bfd-ipv6-interval-attributes
| | | |     +--rw ipv6-route:interval?      uint16
| | | |     +--rw ipv6-route:min-rx?       uint16
| | | |     +--rw ipv6-route:multiplier?   uint8
| | | |     +--rw ipv6-route:ipv6-holdover-interval?    uint8
| | | |   +--rw ipv6-route:next-hop-recursion?          empty
| | +--rw ipv6-route:import
| |   +--rw ipv6-route:routes* [src-vrf route-map]
| |     +--rw ipv6-route:src-vrf      common-def:vrf-name
| |     +--rw ipv6-route:route-map    common-def:name-string63
+--rw ip
|   +--rw vrf-router-id?  inet:ipv4-address

```

brocade-vrrp

Use this module to enable VRRP globally, and to configure and enable VRRP on specific interfaces to share workload and provide router redundancy.

Top-level Container

```
module: brocade-vrrp
  +--rw protocol-vrrp
    +--rw protocol
```

External augmentations

```
module: brocade-interface
+--rw vrrp:vrrp [vrid version]
  | | | +--rw vrrp:vrid vrid-type
  | | | +--rw vrrp:version uint8
  | | | +--rw vrrp:use-v2-checksum? empty
  | | | +--rw vrrp:virtual-ip [virtual-ipaddr]
  | | | | +--rw vrrp:virtual-ipaddr inet:ipv4-address
  | | | +--rw vrrp:track
  | | | | +--rw vrrp:interface [interface-type interface-name]
  | | | | | +--rw vrrp:interface-type track-iftype
  | | | | | +--rw vrrp:interface-name track-ifname
  | | | | | +--rw vrrp:track-priority? uint8
  | | | | +--rw vrrp:advertisement-interval? uint32
  | | | | +--rw vrrp:enable? empty
  | | | | +--rw vrrp:hold-time? uint32
  | | | | +--rw vrrp:preempt-mode? empty
  | | | | +--rw vrrp:arp
  | | | | | +--rw vrrp:unicast-request
  | | | | | +--rw vrrp:receive? empty
  | | | | +--rw vrrp:priority? uint8
  | | | | +--rw vrrp:description? string
```

brocade-vrrpv3

Use this module to enable VRRPv3 globally, and to configure and enable VRRPv3 on specific interfaces to share workload and provide router redundancy.

Top-level container

```
module: brocade-vrrpv3
  +--rw vrrp-global
    +--rw vrrp-acceptmode-disable?  empty
```

External augmentations

```
module: brocade-interface
  +--rw vrrpv3:vrrpv3-group [vrid]
    | | | | +--rw vrrpv3:vrid vrid-type
    | | | | +--rw vrrpv3:use-v2-checksum? empty
    | | | | +--rw vrrpv3:virtual-ip [virtual-ipaddr]
    | | | | | +--rw vrrpv3:virtual-ipaddr inet:ipv6-address
    | | | | +--rw vrrpv3:track
    | | | | | +--rw vrrpv3:interface [interface-type interface-name]
    | | | | | +--rw vrrpv3:interface-type track-iftype
    | | | | | +--rw vrrpv3:interface-name track-ifname
    | | | | | +--rw vrrpv3:track-priority? uint8
    | | | | +--rw vrrpv3:advertisement-interval? uint32
    | | | | +--rw vrrpv3:enable? empty
    | | | | +--rw vrrpv3:hold-time? uint32
    | | | | +--rw vrrpv3:preempt-mode? empty
    | | | | +--rw vrrpv3:priority? uint8
    | | | | +--rw vrrpv3:description? string
    | | | +--rw vrrpv3:vrrpv3e-group [vrid]
    | | | +--rw vrrpv3:vrid vrrpe-vrid-type
    | | | +--rw vrrpv3:virtual-ip [virtual-ipaddr]
    | | | | +--rw vrrpv3:virtual-ipaddr inet:ipv6-address
    | | | +--rw vrrpv3:track
    | | | | +--rw vrrpv3:interface [interface-type interface-name]
    | | | | | +--rw vrrpv3:interface-type track-iftype
    | | | | | +--rw vrrpv3:interface-name track-ifname
    | | | | | +--rw vrrpv3:track-priority? uint8
    | | | +--rw vrrpv3:enable? empty
    | | | +--rw vrrpv3:hold-time? uint32
    | | | +--rw vrrpv3:preempt-mode? empty
    | | | +--rw vrrpv3:priority? uint8
    | | | +--rw vrrpv3:description? string
    | | | +--rw vrrpv3:advertise-backup? empty
    | | | +--rw vrrpv3:nd-advertisement-timer? uint32
    | | | +--rw vrrpv3:advertisement-interval-scale? uint32
    | | | +--rw vrrpv3:backup-advertisement-interval? uint32
    | | | +--rw vrrpv3:vrrpe-advertisement-interval? uint32
    | | | +--rw vrrpv3:short-path-forwarding
    | | | | +--rw vrrpv3:basic? empty
    | | | | +--rw vrrpv3:revert-priority? uint8
```

brocade-vswitch

Top-level container

```

+--rw vcenter* [id]
  +--rw id                common-def:name-string32
  +--rw credentials
  |   +--rw url?         vcenter-url
  |   +--rw username?   string
  |   +--rw password?   string
  +--rw activate?       empty
  +--rw interval?       uint32
  +--rw discovery
    +--rw ignore-delete-all-response
      +--rw ignore-value? uint32
      +--rw always?       empty

```

RPC

```

rpcs:
  +---x get-vnetwork-hosts
  |   +---w input
  |   |   +---w vcenter                string
  |   |   +---w datacenter?           string
  |   |   +---w name?                  string
  |   |   +---w last-rcvd-instance?    uint32
  |   +--ro output
  |   |   +--ro vnetwork-hosts*
  |   |   |   +--ro name?              string
  |   |   |   +--ro vmnic?             string
  |   |   |   +--ro datacenter?        string
  |   |   |   +--ro mac?               yang:mac-address
  |   |   |   +--ro vswitch?          string
  |   |   |   +--ro has-more?          boolean
  |   |   |   +--ro instance-id?       uint32
  +---x get-vnetwork-vms
  |   +---w input
  |   |   +---w name?                  string
  |   |   +---w vcenter                string
  |   |   +---w datacenter?           string
  |   |   +---w last-rcvd-instance?    uint32
  |   +--ro output
  |   |   +--ro vnetwork-vms*
  |   |   |   +--ro name?              string
  |   |   |   +--ro mac?               yang:mac-address
  |   |   |   +--ro datacenter?        string
  |   |   |   +--ro ip?                string
  |   |   |   +--ro host-nn?           string
  |   |   |   +--ro has-more?          boolean
  |   |   |   +--ro instance-id?       uint32
  +---x get-vnetwork-dvpgs
  |   +---w input
  |   |   +---w name?                  string
  |   |   +---w vcenter                string
  |   |   +---w datacenter?           string
  |   |   +---w last-rcvd-instance?    uint32
  |   +--ro output
  |   |   +--ro vnetwork-dvpgs*
  |   |   |   +--ro name?              string
  |   |   |   +--ro datacenter?        string

```

```

|   | +--ro dvs-nn?      string
|   | +--ro vlan?       string
|   +--ro has-more?    boolean
|   +--ro instance-id? uint32
+---x get-vnetwork-dvs
| +---w input
| | +---w name?         string
| | +---w vcenter       string
| | +---w datacenter?   string
| | +---w last-rcvd-instance? uint32
| +--ro output
|   +--ro vnetwork-dvs*
|   | +--ro name?      string
|   | +--ro host?     string
|   | +--ro datacenter? string
|   | +--ro pnic?     string
|   +--ro has-more?    boolean
|   +--ro instance-id? uint32
+---x get-vnetwork-vswitches
| +---w input
| | +---w name?         string
| | +---w vcenter       string
| | +---w datacenter?   string
| | +---w last-rcvd-instance? uint32
| +--ro output
|   +--ro vnetwork-vswitches*
|   | +--ro name?      string
|   | +--ro host?     string
|   | +--ro datacenter? string
|   | +--ro pnic?     string
|   +--ro has-more?    boolean
|   +--ro instance-id? uint32
+---x get-vnetwork-portgroups
| +---w input
| | +---w name?         string
| | +---w vcenter       string
| | +---w datacenter?   string
| | +---w last-rcvd-instance? uint32
| +--ro output
|   +--ro vnetwork-pgs*
|   | +--ro name?      string
|   | +--ro datacenter? string
|   | +--ro vs-nn?     string
|   | +--ro vlan?     string
|   | +--ro host-nn?   string
|   +--ro has-more?    boolean
|   +--ro instance-id? uint32
+---x get-vmppolicy-macaddr
+---w input
| +---w mac?           yang:mac-address
| +---w vcenter       string
| +---w datacenter?   string
| +---w last-rcvd-instance? uint32
+--ro output
+--ro vmppolicy-macaddr*
| +--ro mac?          yang:mac-address
| +--ro name?        string
| +--ro datacenter?  string
| +--ro dvpg-nn?     string
| +--ro port-nn?     string
| +--ro port-prof?   string
+--ro has-more?      boolean
+--ro instance-id?   uint32

```

brocade-vxlan-visibility

Top-level container

```

module: brocade-vxlan-visibility
  +--rw overlay
  |   +--rw access-list
  |   |   +--rw type
  |   |   |   +--rw vxlan
  |   |   |   |   +--rw standard* [user-acl-name]
  |   |   |   |   |   +--rw user-acl-name      user-acl-name-type
  |   |   |   |   |   +--rw seq* [seq-num]
  |   |   |   |   |   |   +--rw seq-num          uint32
  |   |   |   |   |   |   +--rw permit-deny?     enumeration
  |   |   |   |   |   |   +--rw (choice-dst-vtep-ip)?
  |   |   |   |   |   |   |   +---:(case-dst-vtep-ip)
  |   |   |   |   |   |   |   |   +--rw dst-vtep-ip?      inet:ipv4-address
  |   |   |   |   |   |   |   |   +---:(case-dst-vtep-ip-any)
  |   |   |   |   |   |   |   |   |   +--rw dst-vtep-ip-any?  empty
  |   |   |   |   |   |   |   +--rw (choice-src-vtep-ip)?
  |   |   |   |   |   |   |   |   +---:(case-src-vtep-ip)
  |   |   |   |   |   |   |   |   |   +--rw src-vtep-ip?      inet:ipv4-address
  |   |   |   |   |   |   |   |   |   +---:(case-src-vtep-ip-any)
  |   |   |   |   |   |   |   |   |   |   +--rw src-vtep-ip-any?  empty
  |   |   |   |   |   |   |   +--rw (choice-vni)?
  |   |   |   |   |   |   |   |   +---:(case-vni)
  |   |   |   |   |   |   |   |   |   +--rw vni?              uint32
  |   |   |   |   |   |   |   |   |   +---:(case-vni-any)
  |   |   |   |   |   |   |   |   |   |   +--rw vni-any?        empty
  |   |   |   |   |   |   |   +--rw vni-mask?              string
  |   |   |   |   |   |   |   +--rw count?                  empty
  |   |   |   |   |   |   |   +--rw redirect?               interface:interface-type
  |   |   |   |   |   |   |   +--rw sflow?                  empty
  |   |   |   |   +--rw extended* [ext-user-acl-name]
  |   |   |   |   |   +--rw ext-user-acl-name      user-acl-name-type
  |   |   |   |   |   +--rw ext-seq* [ext-seq-num]
  |   |   |   |   |   |   +--rw ext-seq-num          uint32
  |   |   |   |   |   |   +--rw ext-permit-deny?     enumeration
  |   |   |   |   |   |   +--rw (choice-ext-dst-vtep-ip)?
  |   |   |   |   |   |   |   +---:(case-ext-dst-vtep-ip)
  |   |   |   |   |   |   |   |   +--rw ext-dst-vtep-ip?      inet:ipv4-address
  |   |   |   |   |   |   |   |   +---:(case-ext-dst-vtep-ip-any)
  |   |   |   |   |   |   |   |   |   +--rw ext-dst-vtep-ip-any?  empty
  |   |   |   |   |   |   |   +--rw (choice-ext-src-vtep-ip)?
  |   |   |   |   |   |   |   |   +---:(case-ext-src-vtep-ip)
  |   |   |   |   |   |   |   |   |   +--rw ext-src-vtep-ip?      inet:ipv4-address
  |   |   |   |   |   |   |   |   |   +---:(case-ext-src-vtep-ip-any)
  |   |   |   |   |   |   |   |   |   |   +--rw ext-src-vtep-ip-any?  empty
  |   |   |   |   |   |   |   +--rw (choice-ext-vni)?
  |   |   |   |   |   |   |   |   +---:(case-ext-vni)
  |   |   |   |   |   |   |   |   |   +--rw ext-vni?              uint32
  |   |   |   |   |   |   |   |   |   +---:(case-ext-vni-any)
  |   |   |   |   |   |   |   |   |   |   +--rw ext-vni-any?        empty
  |   |   |   |   |   |   |   +--rw ext-vni-mask?          string
  |   |   |   |   |   |   |   +--rw ext-count?              empty
  |   |   |   |   |   |   |   +--rw ext-mirror?             interface:interface-type
  |   |   |   |   |   |   |   +--rw ext-redirect?           interface:interface-type
  |   |   |   |   |   |   |   +--rw ext-sflow?              empty
  |   |   |   |   |   |   |   +--rw native?                 empty
  |   |   |   |   |   |   |   +--rw tag?                    enumeration
  |   |   |   |   |   |   |   +--rw (choice-dst-ip)?
  |   |   |   |   |   |   |   |   +---:(case-dst-ip-host)

```

```

|           | | +--rw dst-ip-host?          inet:ipv4-address
|           | | +--:(case-dst-ip)
|           | | +--rw dst-ip?            union
|           | | +--:(case-dst-ip-any)
|           | |   +--rw dst-ip-any?      empty
|           +--rw (choice-src-ip)?
|           | +--:(case-src-ip-host)
|           | | +--rw src-ip-host?       inet:ipv4-address
|           | | +--:(case-src-ip)
|           | | +--rw src-ip?            union
|           | | +--:(case-src-ip-any)
|           | |   +--rw src-ip-any?      empty
|           +--rw (choice-dst-port)?
|           | +--:(case-dst-port)
|           | | +--rw dst-port?          uint32
|           | | +--:(case-dst-port-any)
|           | |   +--rw dst-port-any?    empty
|           +--rw (choice-src-port)?
|           | +--:(case-src-port)
|           | | +--rw src-port?          uint32
|           | | +--:(case-src-port-any)
|           | |   +--rw src-port-any?    empty
+--rw overlay-transit* [user-transit-name]
   +--rw user-transit-name    user-transit-name-type
   +--rw transit-overlay* [access-group in-out]
      +--rw access-group     string
      +--rw in-out           enumeration

```

brocade-xstp-ext

RPCs

```

rpcs:
  +---x get-stp-brief-info
  | +---w input
  | | +---w (request-type)?
  | |   +---: (getnext-request)
  | |     +---w last-rcvd-instance
  | |       +---w instance-id?  uint32
  | +--ro output
  | | +--ro spanning-tree-info
  | | | +--ro stp-mode?          stp-type
  | | | +--ro (spanning-tree-mode)?
  | | |   +---: (stp)
  | | |     +--ro stp
  | | |       +--ro root-bridge
  | | |         +--ro priority?    uint32
  | | |         +--ro bridge-id?   bridge-id-type
  | | |         +--ro hello-time?  uint32
  | | |         +--ro max-age?     uint32
  | | |         +--ro forward-delay? uint32
  | | |       +--ro bridge
  | | |         +--ro priority?    uint32
  | | |         +--ro bridge-id?   bridge-id-type
  | | |         +--ro hello-time?  uint32
  | | |         +--ro max-age?     uint32
  | | |         +--ro forward-delay? uint32
  | | |       +--ro port* []
  | | |         +--ro interface-type? enumeration
  | | |         +--ro interface-name? union
  | | |         +--ro spanningtree-enabled? boolean
  | | |         +--ro if-index?     uint64
  | | |         +--ro interface-id? uint64
  | | |         +--ro if-role?      stp-port-role
  | | |         +--ro if-state?     stp-port-state
  | | |         +--ro external-path-cost? uint32
  | | |         +--ro internal-path-cost? uint32
  | | |         +--ro configured-path-cost? uint32
  | | |         +--ro designated-port-id? uint64
  | | |         +--ro port-priority? uint32
  | | |         +--ro designated-bridge-id? bridge-id-type
  | | |         +--ro port-hello-time? uint32
  | | |         +--ro forward-transitions-count? uint32
  | | |         +--ro received-stp-type? stp-type
  | | |         +--ro transmitted-stp-type? stp-type
  | | |         +--ro edge-port?      on-off-type
  | | |         +--ro auto-edge?     yes-no-type
  | | |         +--ro admin-edge?    yes-no-type
  | | |         +--ro edge-delay?    uint32
  | | |         +--ro configured-root-guard? on-off-type
  | | |         +--ro oper-root-guard? on-off-type
  | | |         +--ro boundary-port?  yes-no-type
  | | |         +--ro oper-bpdu-guard? on-off-type
  | | |         +--ro oper-bpdu-filter? on-off-type
  | | |         +--ro link-type?     stp-link-type
  | | |         +--ro rx-bpdu-count?  uint64
  | | |         +--ro tx-bpdu-count?  uint64
  | | |       +---: (rstp)
  | | |         +--ro rstp
  | | |           +--ro root-bridge

```



```

+--ro output
  +--ro cist
    | +--ro cist-root-id?          bridge-id-type
    | +--ro cist-bridge-id?       bridge-id-type
    | +--ro cist-reg-root-id?     bridge-id-type
    | +--ro root-forward-delay?   uint32
    | +--ro hello-time?          uint32
    | +--ro max-age?              uint32
    | +--ro max-hops?             uint32
    | +--ro migrate-time?         uint32
    | +--ro vlans
    | | +--ro vlan-id*           interface:vlan-type
    | +--ro port* []
    |   +--ro interface-type?     enumeration
    |   +--ro interface-name?     union
    |   +--ro spanningtree-enabled? boolean
    |   +--ro if-index?           uint64
    |   +--ro interface-id?       uint64
    |   +--ro if-role?            stp-port-role
    |   +--ro if-state?           stp-port-state
    |   +--ro external-path-cost? uint32
    |   +--ro internal-path-cost? uint32
    |   +--ro configured-path-cost? uint32
    |   +--ro designated-port-id? uint64
    |   +--ro port-priority?      uint32
    |   +--ro designated-bridge-id? bridge-id-type
    |   +--ro port-hello-time?    uint32
    |   +--ro forward-transitions-count? uint32
    |   +--ro received-stp-type?  stp-type
    |   +--ro transmitted-stp-type? stp-type
    |   +--ro edge-port?          on-off-type
    |   +--ro auto-edge?          yes-no-type
    |   +--ro admin-edge?         yes-no-type
    |   +--ro edge-delay?         uint32
    |   +--ro configured-root-guard? on-off-type
    |   +--ro oper-root-guard?    on-off-type
    |   +--ro boundary-port?      yes-no-type
    |   +--ro oper-bpdu-guard?    on-off-type
    |   +--ro oper-bpdu-filter?   on-off-type
    |   +--ro link-type?          stp-link-type
    |   +--ro rx-bpdu-count?      uint64
    |   +--ro tx-bpdu-count?      uint64
  +--ro msti* [instance-id]
    | +--ro instance-id           uint32
    | +--ro msti-root-id?         bridge-id-type
    | +--ro msti-bridge-id?       bridge-id-type
    | +--ro msti-bridge-priority? uint32
    | +--ro vlans
    | | +--ro vlan-id*           interface:vlan-type
    | +--ro port* []
    |   +--ro interface-type?     enumeration
    |   +--ro interface-name?     union
    |   +--ro spanningtree-enabled? boolean
    |   +--ro if-index?           uint64
    |   +--ro interface-id?       uint64
    |   +--ro if-role?            stp-port-role
    |   +--ro if-state?           stp-port-state
    |   +--ro external-path-cost? uint32
    |   +--ro internal-path-cost? uint32
    |   +--ro configured-path-cost? uint32
    |   +--ro designated-port-id? uint64
    |   +--ro port-priority?      uint32
    |   +--ro designated-bridge-id? bridge-id-type
    |   +--ro port-hello-time?    uint32

```

```
|      +--ro forward-transitions-count?  uint32
|      +--ro received-stp-type?         stp-type
|      +--ro transmitted-stp-type?      stp-type
|      +--ro edge-port?                 on-off-type
|      +--ro auto-edge?                 yes-no-type
|      +--ro admin-edge?                 yes-no-type
|      +--ro edge-delay?                 uint32
|      +--ro configured-root-guard?     on-off-type
|      +--ro oper-root-guard?           on-off-type
|      +--ro boundary-port?             yes-no-type
|      +--ro oper-bpdu-guard?           on-off-type
|      +--ro oper-bpdu-filter?          on-off-type
|      +--ro link-type?                  stp-link-type
|      +--ro rx-bpdu-count?              uint64
|      +--ro tx-bpdu-count?              uint64
+--ro has-more?                          boolean
+--ro last-instance
    +--ro instance-id?                    uint32
```

extreme-bmc

Top-level container

```
module: extreme-bmc
  +--rw bmc
    +--rw factory
      +---x reset
```

extreme-bmc

Top-level container

```
module: extreme-bmc-config
  +--rw bmc-cfg
    +--rw bmc
      +--rw user-id* [uId]
        | +--rw uId      uint32
        | +--rw password? string
      +--rw interface
        +--rw bmc-management* [ifcId]
          +--rw ifcId      uint32
          +--rw shutdown? empty
          +--rw ip
            +--rw (ip-config-choices)?
              +--:(ip-case)
                | +--rw ip-params
                |   +--rw address? common-def:ipv4-prefix-mask
                |   +--rw gw      inet:ipv4-address
              +--:(dhcp-case)
                +--rw dhcp?      empty
```

extreme-config-mgmt

Top-level container

```
+--rw config-drift-track
  +---x off
    +--ro output
      +--ro result?  actionResult
```

RPCS

```
rpcs:
  +---x set-bulk-edit-config-error-option
  | +---w input
  | | +---w error-option  editConfigErrorOption
  | +--ro output
  |   +--ro result?  actionResult
  +---x get-bulk-edit-config-error-option
  +--ro output
    +--ro error-option?  editConfigErrorOption
```

extreme-gNMI

Top-level container

```
+-rw gNMI
| +-rw server
|   +-rw secure-port?  gnmi-secure-port
|   +-rw activate?    empty
+-rw operational-state
  +-rw syncup
    +-rw enable
      +-rw channel
        +-rw all?      empty
        +-rw interface? empty
        +-rw platform? empty
        +-rw bgp?     empty
```

extreme-remote-attestation

Top-level container

```
+--rw measured-boot
| +---x enable
| +---x disable
+--rw remote-attestation!
+--rw registrar-server* [registrar-ip use-vrf]
| +--rw registrar-ip      inet:ip-address
| +--rw use-vrf           common-def:use-vrf
| +--rw registrar-port?  uint16
+--rw agent-port?        uint16
+--rw agent-enable?      empty
+--rw agent-uuid?       uuid-type
```

extreme-ssl

Top-level container

```
+--rw pki
  +--rw oosp
  |   +--rw use-vrf?          use-vrf-option
  |   +--rw disable?        empty
  |   +--rw source-interface
  |       +--rw source-intf-type?  source-interface-type
  |       +--rw ethernet
  |           | +--rw source-intf-name?  ethernet-iftype
  |           +--rw loopback
  |               | +--rw source-intf-name?  loopback-iftype
  |               +--rw ve
  |                   | +--rw source-intf-name?  ve-iftype
  |                   +--rw management
  |                       +--rw source-intf-name?  mm-iftype
  +--rw authorization
  +--rw username
  +--rw (username-options)?
  +--:(certificate-attribute-case)
  +--rw attribute-options
  +--rw attribute?  attribute-option
  +--rw prefix?    string
  +--rw match?     string
  +--rw suffix?    string
```

extreme-tpvm-config

Top-level container

```

module: extreme-tpvm-config
  +--rw tpvm-cfg
    +--rw tpvm* [tpvm-instance-id]
      +--rw tpvm-instance-id  string
      +--rw password?         string
      +--rw auto-boot?        empty
      +--rw ntp* [server]
        | +--rw server  union
      +--rw disk* [disk-name]
        | +--rw disk-name  union
        | +--rw disk-size  tpvm:diskSize
      +--rw ldap
        | +--rw ldap-server
        | | +--rw host?          inet:host
        | | +--rw ldap-server-options
        | |   +--rw port?        uint16
        | |   +--rw secure?      empty
        | |   +--rw basedn?      string
        | |   +--rw rootdn?      string
        | |   +--rw rootdnpw?    string
        | +--rw ca-cert
        |   +--rw import
        |     +--rw protocol?     enumeration
        |     +--rw user?         string
        |     +--rw ldap-password? string
        |     +--rw ldap-host?    inet:host
        |     +--rw directory?    string
        |     +--rw filename?     string
      +--rw dns
        | +--rw dns-params
        |   +--rw primary-server?  union
        |   +--rw secondary-server? union
        |   +--rw domain?          string
      +--rw system-attributes
        | +--rw hostname?  string
        | +--rw timezone?  common-def:timezone
      +--rw trusted-peer
        | +--rw pwless
        | | +--rw (trusted-ip-config-choices)?
        | | | +--:(peer-ip)
        | | | | +--rw peer-ip?          inet:ipv4-address
        | | | | +--:(peer-ipv6)
        | | | |   +--rw peer-ipv6?      inet:ipv6-address
        | | | +--rw peer-password?  string
        | | +--rw peer-sudoer?  string
      +--rw interface
        | +--rw management
        | | +--rw ip
        | | | +--rw (ip-config-choices)?
        | | | | +--:(ip-case)
        | | | | | +--rw ip-params
        | | | | |   +--rw ipaddr?  common-def:ipv4-prefix-mask
        | | | | |   +--rw gw?      inet:ipv4-address
        | | | | +--:(dhcp-case)
        | | | |   +--rw dhcp?      empty
        | | +--rw ipv6
        | |   +--rw (ipv6-config-choices)?
        | |   | +--:(ipv6-case)

```

```

| | | +--rw ipv6-params
| | | | +--rw ipv6addr? common-def:ipv6-address-prefix
| | | | +--rw gwv6? inet:ipv6-address
| | | +---:(dhcpv6-case)
| | | | +--rw dhcpv6? empty
| +--rw insight
| | +--rw ip
| | | +--rw (insight-ip-config-choices)?
| | | | +---:(ip-case)
| | | | | +--rw ip-params
| | | | | | +--rw insight-ipaddr? common-def:ipv4-prefix-mask
| | | | | | +--rw insight-gw? inet:ipv4-address
| | | | | +---:(dhcp-case)
| | | | | | +--rw insight-dhcp? empty
+--rw deploy? empty
+--rw undeploy-force? empty

```

```

+--rw password-policy +--rw min-length? uint32 +--rw character-restriction +--rw
upper? uint32 +--rw lower? uint32 +--rw numeric? uint32 +--rw special-char? uint32

```

ietf-netconf-monitoring

Top-level container

```

+--ro netconf-state
  +--ro capabilities
  | +--ro capability*   inet:uri
  +--ro datastores
  | +--ro datastore* [name]
  |   +--ro name       netconf-datastore-type
  |   +--ro locks!
  |     +--ro (lock-type)?
  |       +--:(global-lock)
  |         | +--ro global-lock
  |         |   +--ro locked-by-session   uint32
  |         |   +--ro locked-time         yang:date-and-time
  |       +--:(partial-lock)
  |         +--ro partial-lock* [lock-id]
  |           +--ro lock-id               uint32
  |           +--ro locked-by-session     uint32
  |           +--ro locked-time           yang:date-and-time
  |           +--ro select*               yang:xpath1.0
  |           +--ro locked-node*         instance-identifier
  +--ro schemas
  | +--ro schema* [identifier version format]
  |   +--ro identifier   string
  |   +--ro version      string
  |   +--ro format       identityref
  |   +--ro namespace    inet:uri
  |   +--ro location*    union
  +--ro sessions
  | +--ro session* [session-id]
  |   +--ro session-id   uint32
  |   +--ro transport    identityref
  |   +--ro username     string
  |   +--ro source-host? inet:host
  |   +--ro login-time   yang:date-and-time
  |   +--ro in-rpcs?     yang:zero-based-counter32
  |   +--ro in-bad-rpcs? yang:zero-based-counter32
  |   +--ro out-rpc-errors? yang:zero-based-counter32
  |   +--ro out-notifications? yang:zero-based-counter32
  +--ro statistics
  | +--ro netconf-start-time? yang:date-and-time
  | +--ro in-bad-hellos?     yang:zero-based-counter32
  | +--ro in-sessions?       yang:zero-based-counter32
  | +--ro dropped-sessions?  yang:zero-based-counter32
  | +--ro in-rpcs?           yang:zero-based-counter32
  | +--ro in-bad-rpcs?       yang:zero-based-counter32
  | +--ro out-rpc-errors?    yang:zero-based-counter32
  | +--ro out-notifications? yang:zero-based-counter32

```

RPC

```

rpcs:
  +---x get-schema
  | +---w input
  | | +---w identifier   string
  | | +---w version?     string
  | | +---w format?      identityref
  +--ro output

```

```
    +--ro data
submodule: linecard_cli (belongs-to brocade-logical-switch)
  +--rw linecard-cli
    +---x cli-execute
      | +---w input
      |   +---w slot          slot_num
      |   +---w string-cmd   string
    +---x cli-help
      +---w input
        +---w slot          slot_num
```